

## anti-Human p40 Antibody | anti-p40 antibody

Anti-p40 [14D5E8F12]

|                              |                            |                                                    |
|------------------------------|----------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA72367</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|------------------------------|----------------------------|----------------------------------------------------|

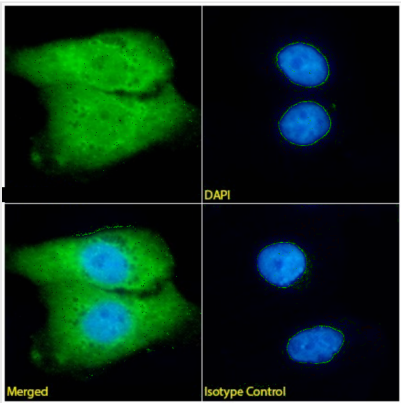
### PRODUCT SYNONYMS

p40; Anti-p40 [14D5E8F12]; TP63; CUSP; Tumor protein 63; chronic ulcerative stomatitis protein; Keratinocyte transcription factor KET; Transformation-related protein 63; Tumor protein p73-like; p73L; p51; ZR8; anti-p40 antibody

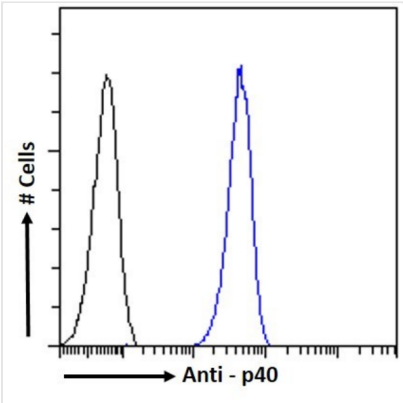
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Isotype                                       | Rabbit IgG kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Clone Number                                  | 14D5E8F12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity                                   | This antibody is specific for the p40 peptide of the human p63. P63 protein acts as a sequence specific DNA binding transcriptional activator or repressor. It is also involved in notch signaling by probably inducing JAG1 and JAG2 and plays a role in the regulation of epithelial morphogenesis. The p63 molecule has a high degree of structural homology with p53 and has three similar functional domains: N-terminal transcription activation region, core DNA binding region, and C-terminal oligomerization region. |
| Purity/Purification                           | Purified. Protein A affinity purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Form/Format                                   | PBS with 0.02% Proclin 300.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Concentration                                 | 1mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Applicable Applications for anti-p40 antibody | IHC (Immunohistochemistry), ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Preparation and Storage                       | Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                 |

IMAGES



**IF (Immunofluorescence)**  
Immunofluorescence staining of A431 cells with anti-p40 antibody 14D5E8F12 . Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton, on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of 14D5E8F12 (AAA72367) (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom, AAA72367, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



**FCM/FACS (Flow Cytometry)**  
Flow cytometry using anti-p40 antibody 14D5E8F12 . Paraformaldehyde fixed A431 cells permeabilized with 0.5% Triton were stained with the anti-unknown specificity antibody (isotype control, black line) or the rabbit IgG version of 14D5E8F12 (AAA72367, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and the cells were analyzed using a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-p40 antibody | The original antibody was generated by immunizing mice with p40 peptide comprising amino acids 4-19 (LENNAQTQFSEPQYTN) of the p63 protein (Uniprot -Q9H3D4). The p40 peptide had a sulfhydryl group at its N-terminus and a carrier protein KLH to improve its immunogenicity. This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques. |
| Product Categories/Family for anti-p40 antibody   | transcription; notch signaling; cancer; tumor; oncology                                                                                                                                                                                                                                                                                                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                            |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 169234657                                                                                                                                                                                                                                                  |
| NCBI GeneID                      | 8626                                                                                                                                                                                                                                                       |
| NCBI Accession #                 | NP_001108450.1                                                                                                                                                                                                                                             |
| NCBI GenBank Nucleotide #        | NM_001114978.1                                                                                                                                                                                                                                             |
| UniProt Accession #              | Q9H3D4; O75080; O75195; O75922; O76078; Q6VEG2; Q6VEG3; Q6VEG4; Q6VFJ1; Q6VFJ2; Q6VFJ3; Q6VH20                                                                                                                                                             |
| Molecular Weight                 | 76,785 Da                                                                                                                                                                                                                                                  |
| NCBI Official Full Name          | tumor protein 63 isoform 2                                                                                                                                                                                                                                 |
| NCBI Official Synonym Full Names | tumor protein p63                                                                                                                                                                                                                                          |
| NCBI Official Symbol             | TP63                                                                                                                                                                                                                                                       |
| NCBI Official Synonym Symbols    | AIS; KET; LMS; NBP; RHS; p40; p51; p63; EEC3; OFC8; p73H; p73L; SHFM4; TP53L; TP73L; p53CP; TP53CP; B(p51A); B(p51B)                                                                                                                                       |
| NCBI Protein Information         | tumor protein 63; CUSP; transformation-related protein 63; tumor protein p53-competing protein; amplified in squamous cell carcinoma; chronic ulcerative stomatitis protein; keratinocyte transcription factor KET; tumor protein p63 deltaN isoform delta |
| UniProt Protein Name             | Tumor protein 63                                                                                                                                                                                                                                           |

|                            |                                                    |
|----------------------------|----------------------------------------------------|
| UniProt Gene Name          | TP63                                               |
| UniProt Synonym Gene Names | KET; P63; P73H; P73L; TP73L; p63; CUSP; TP63; p73L |
| UniProt Entry Name         | P63_HUMAN                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://www.aaabiotech.com/human-antibody/p40/72367>