

## Rabbit Cytokeratin 18 Polyclonal Antibody | anti-KRT18 antibody

Anti-Cytokeratin 18 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                |
|-----------|--------|-------------------|-----------------------------------------------------------------------------|
| AAA264116 | Rabbit | Human, Mouse, Rat | Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

Cytokeratin 18; Polyclonal Antibody; Anti-Cytokeratin 18 Antibody; CYK18; Keratin type I cytoskeletal 18; Cell proliferation-inducing gene 46 protein; Cytokeratin-18; CK-18; Keratin-18; K18; anti-KRT18 antibody

### PRODUCT SPECIFICATIONS

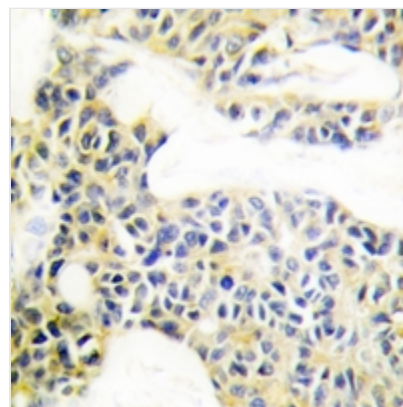
|                                                 |                                                                                                                                               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                        |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                             |
| Clonality                                       | Polyclonal                                                                                                                                    |
| Specificity                                     | Recognizes endogenous levels of Cytokeratin 18 protein.                                                                                       |
| Purity/Purification                             | Purified by Immunogen Affinity Chromatography                                                                                                 |
| Form/Format                                     | Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.                                     |
| Applicable Applications for anti-KRT18 antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                             |
| Immunogen                                       | KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Cytokeratin 18. The exact sequence is proprietary. |
| Preparation and Storage                         | Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.                                                       |

### IMAGES



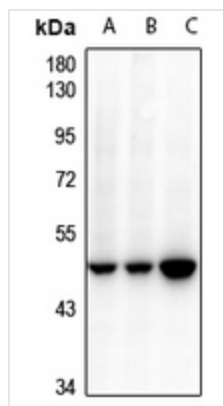
#### IF (Immunofluorescence)

Immunofluorescent analysis of Cytokeratin 18 staining in HuvEc cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 degree C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of Cytokeratin 18 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of Cytokeratin 18 expression in HCT116 (A), LO2 (B), SGC7901 (C) whole cell lysates.

### ADDITIONAL INFORMATION

Related Product Information for anti-KRT18 antibody

Rabbit polyclonal antibody to Cytokeratin 18

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4557888                                                                                                                                                                 |
| NCBI GeneID                      | 3875                                                                                                                                                                    |
| NCBI Accession #                 | NP_000215.1                                                                                                                                                             |
| NCBI GenBank Nucleotide #        | NM_000224.2                                                                                                                                                             |
| UniProt Accession #              | P05783; P05784; Q5BJY9                                                                                                                                                  |
| Molecular Weight                 | 48,058 Da                                                                                                                                                               |
| NCBI Official Full Name          | keratin, type I cytoskeletal 18                                                                                                                                         |
| NCBI Official Synonym Full Names | keratin 18                                                                                                                                                              |
| NCBI Official Symbol             | KRT18                                                                                                                                                                   |
| NCBI Official Synonym Symbols    | K18; CYK18                                                                                                                                                              |
| NCBI Protein Information         | keratin, type I cytoskeletal 18; CK-18; keratin-18; cytokeratin 18; cytokeratin-18; cell proliferation-inducing protein 46; cell proliferation-inducing gene 46 protein |
| UniProt Protein Name             | Keratin, type I cytoskeletal 18                                                                                                                                         |
| UniProt Gene Name                | <b>KRT18</b>                                                                                                                                                            |
| UniProt Synonym Gene Names       | CYK18; CK-18; K18                                                                                                                                                       |
| UniProt Entry Name               | K1C18_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cytokeratin-18-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/264116>