

## Rabbit anti-Human KRT1 Polyclonal Antibody | anti-KRT1 antibody

KRT1 Antibody

|                               |                       |                            |                                                                        |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------------|
| CATALOG #<br><b>AAA234578</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------------|

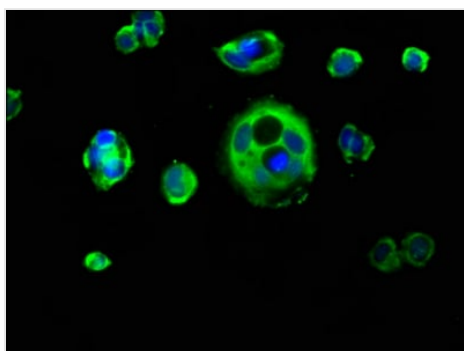
### PRODUCT SYNONYMS

KRT1; Polyclonal Antibody; KRT1 Antibody; Keratin; type II cytoskeletal 1; 67 kDa cytokeratin; Cytokeratin-1; CK-1; Hair alpha protein; Keratin-1; K1; Type-II keratin Kb1; KRTA; anti-KRT1 antibody

### PRODUCT SPECIFICATIONS

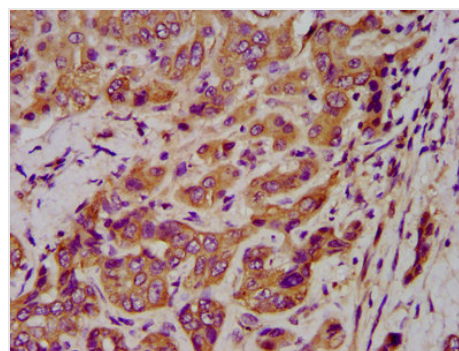
|                                                |                                                                                  |
|------------------------------------------------|----------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                           |
| Reactivity                                     | Human                                                                            |
| Clonality                                      | Polyclonal                                                                       |
| Isotype                                        | IgG                                                                              |
| Purity/Purification                            | >95%, Protein G purified                                                         |
| Form/Format                                    | Liquid                                                                           |
| Sequence Length                                | 644                                                                              |
| Applicable Applications for anti-KRT1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA                       |
| Immunogen                                      | Recombinant Human Keratin, type II cytoskeletal 1 protein (267-438AA)            |
| Conjugation                                    | Non-conjugated                                                                   |
| Buffer                                         | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| Preparation and Storage                        | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.      |

### IMAGES



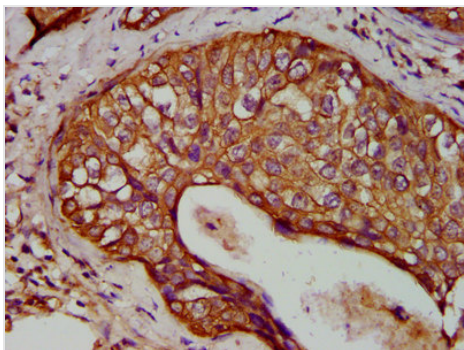
#### IHC (Immunohistochemistry)

Immunofluorescence staining of MCF-7 cells with AAA234578 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



#### IHC (Immunohistochemistry)

IHC image of AAA234578 diluted at 1:400 and staining in paraffin-embedded human liver cancer tissue performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



#### IHC (Immunohistochemistry)

IHC image of AAA234578 diluted at 1:400 and staining in paraffin-embedded human cervical cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

## ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                  |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-KRT1 antibody</b> | May regulate the activity of kinases such as PKC and SRC via binding to integrin beta-1 (ITB1) and the receptor of activated protein C kinase 1 (RACK1). In complex with C1QBP is a high affinity receptor for kininogen-1/HMWK. |
| <b>Product Categories/Family for anti-KRT1 antibody</b>   | <a href="#">Signal Transduction</a>                                                                                                                                                                                              |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                        |
|-----------------------------------------|--------------------------------------------------------|
| <b>NCBI GI #</b>                        | 119395750                                              |
| <b>NCBI GeneID</b>                      | 3848                                                   |
| <b>NCBI Accession #</b>                 | NP_006112.3                                            |
| <b>NCBI GenBank Nucleotide #</b>        | NM_006121.3                                            |
| <b>UniProt Accession #</b>              | P04264; P85925; P86104; Q14720; Q6GSJ0; Q9H298; B2RA01 |
| <b>Molecular Weight</b>                 | 66,039 Da                                              |
| <b>NCBI Official Full Name</b>          | keratin, type II cytoskeletal 1                        |
| <b>NCBI Official Synonym Full Names</b> | keratin 1                                              |
| <b>NCBI Official Symbol</b>             | KRT1                                                   |
| <b>NCBI Official Synonym Symbols</b>    | K1; CK1; EHK; EHK1; EPPK; KRT1A; NEPPK                 |
| <b>NCBI Protein Information</b>         | keratin, type II cytoskeletal 1                        |
| <b>UniProt Protein Name</b>             | Keratin, type II cytoskeletal 1                        |
| <b>UniProt Gene Name</b>                | <b>KRT1</b>                                            |
| <b>UniProt Synonym Gene Names</b>       | KRTA; CK-1; K1                                         |

**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/krt1-antibody-immunofluorescence-immunohistochemistry-elisa/234578>