

## Mouse anti-Human Cytokeratin 18 Monoclonal Antibody | anti-CK18 antibody

Cytokeratin 18 Monoclonal Antibody

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                  |
|-----------|-------|------------|---------------------------------------------------------------|
| AAA320029 | Mouse | Human      | ELISA, Immunofluorescence, Immunohistochemistry, Western Blot |

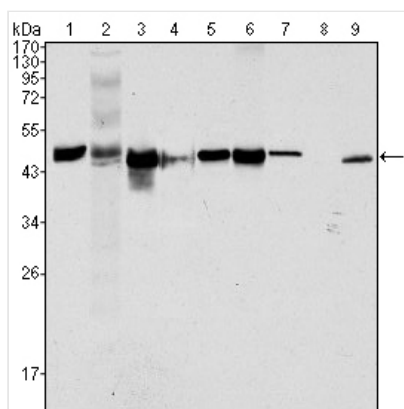
### PRODUCT SYNONYMS

Cytokeratin 18; Monoclonal Antibody; Cytokeratin 18 Monoclonal Antibody; Keratin type I cytoskeletal 18; KRT18; CYK18; PIG46; Keratin; type I cytoskeletal 18; Cell proliferation-inducing gene 46 protein; Cytokeratin-18; CK-18; Keratin-18; K18; anti-CK18 antibody

### PRODUCT SPECIFICATIONS

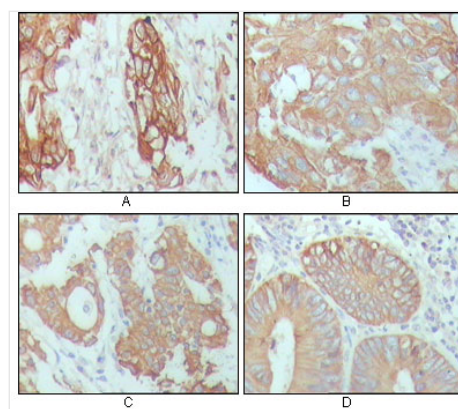
|                                                |                                                                                         |
|------------------------------------------------|-----------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                   |
| Reactivity                                     | Human                                                                                   |
| Clonality                                      | Monoclonal                                                                              |
| Specificity                                    | Cytokeratin 18 Monoclonal Antibody detects endogenous levels of Cytokeratin 18 protein. |
| Purity/Purification                            | Affinity purification                                                                   |
| Form/Format                                    | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                 |
| Applicable Applications for anti-CK18 antibody | ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)           |
| Immunogen                                      | Purified recombinant fragment of human Cytokeratin 18 (aa391-483) expressed in E coli.  |
| Modification                                   | Unmodified/Total                                                                        |
| Preparation and Storage                        | Store at -20 degree C/1 year                                                            |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma (A), hepatocarcinoma (B), stomach cancer (C) and colon cancer tissue (D), showing cytoplasmic location with DAB staining using Cytokeratin 18 Monoclonal Antibody.



#### WB (Western Blot)

Western Blot analysis using Cytokeratin 18 Monoclonal Antibody against HeLa (1), NIH/3T3 (2), A549 (3), Jurkat (4), MCF-7(5), HepG2 (6), A431 (7), HEK293 (8) and K562 (9) cell lysate.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CK18 antibody | KRT18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008] |
| Product Categories/Family for anti-CK18 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4557888                                                                                                                                                                 |
| NCBI GeneID                      | 3875                                                                                                                                                                    |
| NCBI Accession #                 | NP_000215.1                                                                                                                                                             |
| NCBI GenBank Nucleotide #        | NM_000224.2                                                                                                                                                             |
| UniProt Accession #              | P05783; Q53G38; Q5U0N8; Q9BW26                                                                                                                                          |
| 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.