
Product Name: KRT18 Mouse Monoclonal Antibody**Catalog #: AMM82354**

For research use only.

Summary

| | |
|----------------------|---|
| Description | Mouse monoclonal Antibody |
| Host | Mouse |
| Application | WB,IHC,ICC,ELISA,FC |
| Reactivity | Human |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | Mouse IgG1 |
| Clonality | Monoclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Purified antibody in PBS with 0.05% sodium azide |
| Purification | Affinity Purification |

Application

| | |
|-------------------------|---|
| Dilution Ratio | WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| Molecular Weight | 48kDa |

Antigen Information

| | |
|--------------------------|--|
| Gene Name | KRT18 |
| Alternative Names | K18; CK-18; CYK18 |
| Gene ID | 3875.0 |
| SwissProt ID | P05783 |
| Immunogen | Purified recombinant fragment of human KRT18 (AA: 1-150) expressed in E. Coli. |

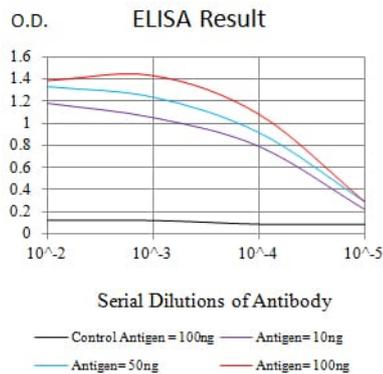
Background

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

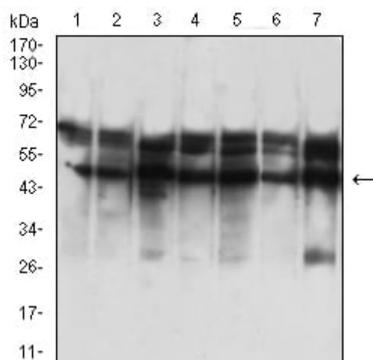
the same protein have been found for this gene.

Research Area

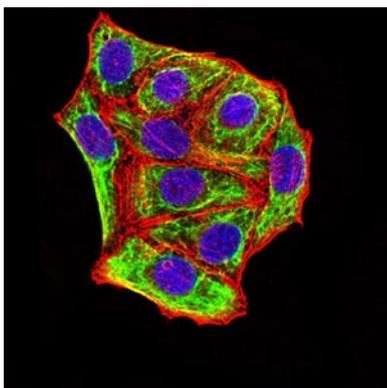
Image Data



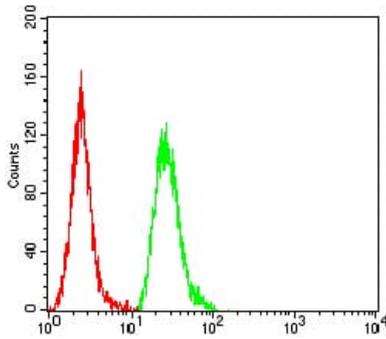
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



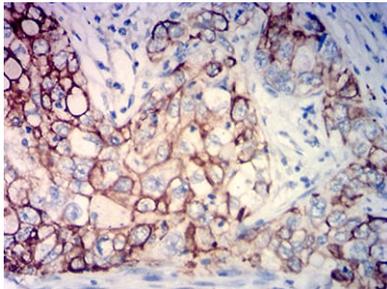
Western blot analysis using KRT18 mouse mAb against SK-BR-3 (1), HepG2 (2), T47D (3), MCF-7 (4), HeLa (5), A431 (6), and HCT116 (7) cell lysate.



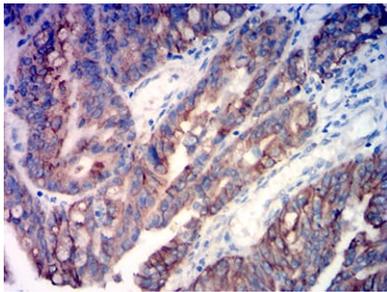
Immunofluorescence analysis of HeLa cells using KRT18 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of HeLa cells using KRT18 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using KRT18 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using KRT18 mouse mAb with DAB staining.