

KRT13 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4078
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human KRT13 (AA: 104-458) expressed in E. Coli.
Mol wt	49.5kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	K13;CK13;WSN2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This type I cytokeratin is paired with keratin 4 and expressed in the suprabasal layers of non-cornified stratified epithelia. Mutations in this gene and keratin 4 have been associated with the autosomal dominant disorder White Sponge Nevus. The type I cytokeratins are clustered in a region of chromosome 17q21.2. Alternative splicing of this gene results in multiple transcript variants; however, not all variants have been described.

Recommended Dilution

WB: 1:500 - 1:2000

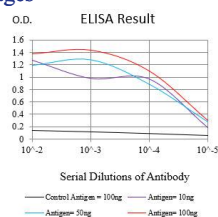
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

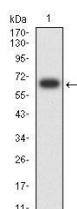
ELISA: 1:10000

Not yet tested in other applications.

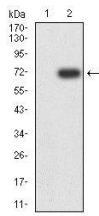
Images



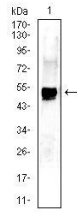
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



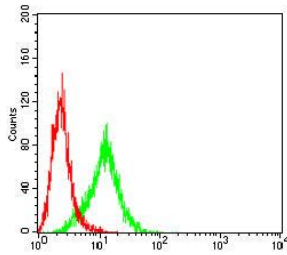
Western blot analysis using KRT13 mAb against human KRT13 (AA: 104-458) recombinant protein. (Expected MW is 66.5 kDa)



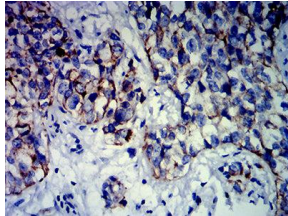
Western blot analysis using KRT13 mAb against HEK293-6e (1) and KRT13 (AA: 104-458)-hIgGFc transfected HEK293-6e (2) cell lysate.



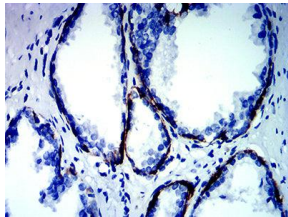
Western blot analysis using KRT13 mouse mAb against A431 (1) cell lysate.



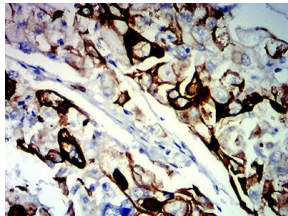
Flow cytometric analysis of A431 cells using KRT13 mouse mAb (green) and negative control (red).



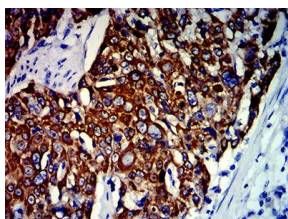
Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using KRT13 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded prostate cancer tissues using KRT13 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded breast cancer tissues using KRT13 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded esophageal cancer tissues using KRT13 mouse mAb with DAB staining.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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