

For Research Use Only

Cytokeratin 13 Monoclonal antibody

Catalog Number: 66684-1-Ig

Featured Product



Basic Information

Catalog Number:

66684-1-Ig

GenBank Accession Number:

BC002661

Purification Method:

Protein A purification

Size:

150ul, Concentration: 1500 ug/ml by

Nanodrop and 1000 ug/ml by Bradford

method using BSA as the standard;

GeneID (NCBI):

3860

UNIPROT ID:

P13646

CloneNo.:

1E10G2

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:1000-1:4000

IF-P 1:200-1:800

Source:

Mouse

Full Name:

keratin 13

Isotype:

IgG1

Calculated MW:

50 kDa

Immunogen Catalog Number:

AG0217

Observed MW:

50 kDa

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

human, rat

Positive Controls:

WB : A431 cells, rat skin tissue

IHC : human cervical cancer tissue, human oesophagus cancer tissue

IF-P : human cervical cancer tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins, including K9-K23, and the hair keratins Ha1-Ha8. Type II keratins are the basic or neutral counterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. This type I cytokeratin is paired with keratin 4 and expressed in the suprabasal layers of non-cornified stratified epithelia. The Keratin 13 (KRT13) gene encodes a type I acidic keratin which is expressed in the differentiated cells of non-cornified stratified squamous epithelia. This antibody can react with Cytokeratin 15.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

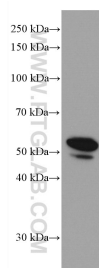
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

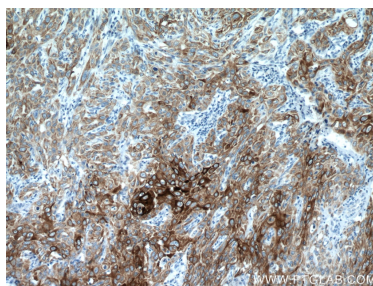
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

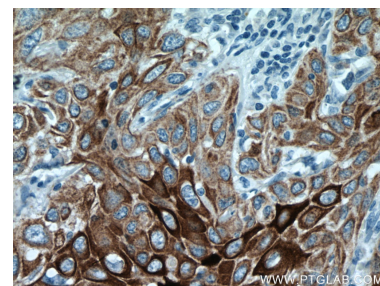
Selected Validation Data



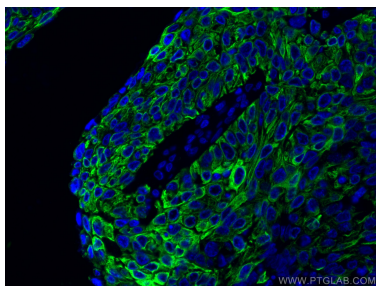
A431 cells were subjected to SDS PAGE followed by western blot with 66684-1-Ig (KRT13 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



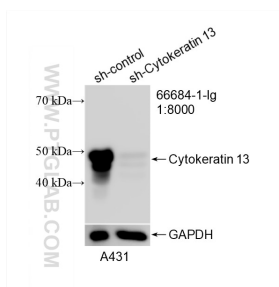
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 66684-1-Ig (KRT13 antibody) at dilution of 1:2000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



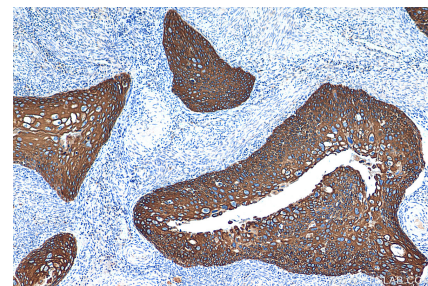
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 66684-1-Ig (KRT13 antibody) at dilution of 1:2000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human cervical cancer tissue using Cytokeratin 13 antibody (66684-1-Ig, Clone: 1E10G2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



WB result of Cytokeratin 13 antibody (66684-1-Ig; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Cytokeratin 13 transfected A431 cells.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 66684-1-Ig (Cytokeratin 13 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).