

For Research Use Only

Cytokeratin 13 Recombinant antibody

Catalog Number: 83058-1-RR

Featured Product



Basic Information

Catalog Number:

83058-1-RR

Size:

100ul, Concentration: 800 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0217

GenBank Accession Number:

BC002661

GeneID (NCBI):

3860

UNIPROT ID:

P13646

Full Name:

keratin 13

Calculated MW:

50 kDa

Observed MW:

50 kDa

Purification Method:

Protein A purification

CloneNo.:

230366B10

Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:500-1:2000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

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

Positive Controls:

WB : HaCaT cells, A431 cells, mouse skin tissue, rat skin tissue, rat thymus tissue

IHC : human urothelial carcinoma tissue, human cervical squamous cancer tissue, human oesophagus cancer tissue, mouse skin tissue, rat skin tissue

IF/ICC : HaCaT cells,

Background Information

Keratin 13 is a member of the keratin 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 keratin 13 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.

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

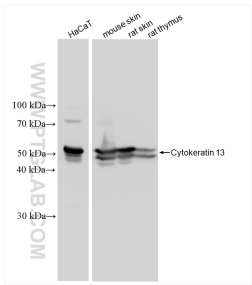
For technical support and original validation data for this product please contact:

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

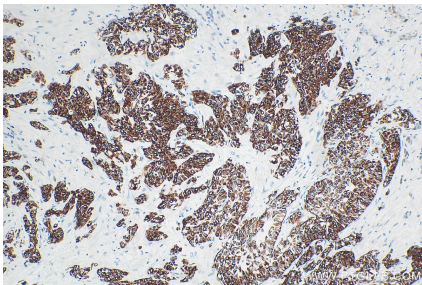
E: proteintech@ptglab.com
W: ptglab.com

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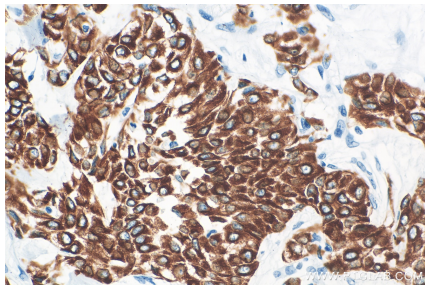
Selected Validation Data



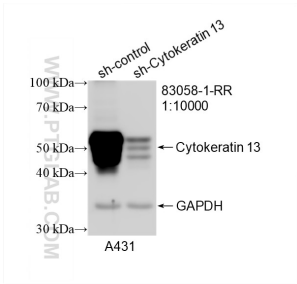
Various lysates were subjected to SDS PAGE followed by western blot with 83058-1-RR (KRT13 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



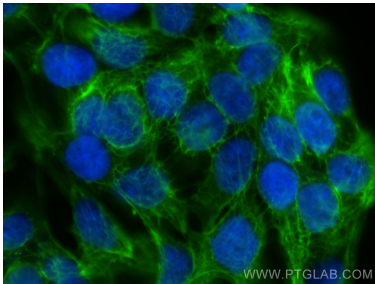
Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 83058-1-RR (Cytokeratin 13 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



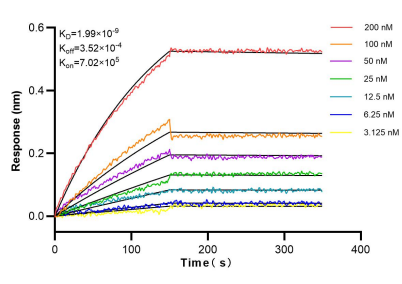
Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 83058-1-RR (Cytokeratin 13 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of Cytokeratin 13 antibody (83058-1-RR; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Cytokeratin 13 transfected A431 cells.



Immunofluorescent analysis of (-20°C Methanol) fixed HaCaT cells using Cytokeratin 13 antibody (83058-1-RR, Clone: 230366B10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 83058-1-RR against Human Cytokeratin 13 were performed. The affinity constant is 1.99 nM.