

For Research Use Only

Cytokeratin 13 Recombinant antibody



Catalog Number: 83058-1-RR

Basic Information

Catalog Number: 83058-1-RR	GenBank Accession Number: BC002661	Purification Method: Protein A purification
Size: 100ul , Concentration: 800 µg/ml by Nanodrop;	GeneID (NCBI): 3860	CloneNo.: 230366B10
Source: Rabbit	UNIPROT ID: P13646	Recommended Dilutions: WB 1:2000-1:16000 IHC 1:500-1:2000 IF 1:125-1:500
Isotype: IgG	Full Name: keratin 13	
Immunogen Catalog Number: AG0217	Calculated MW: 50 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications:
WB, IF, IHC, 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, mouse skin tissue, rat skin tissue, rat thymus tissue

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

IF : 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

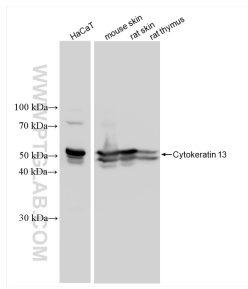
For technical support and original validation data for this product please contact:

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

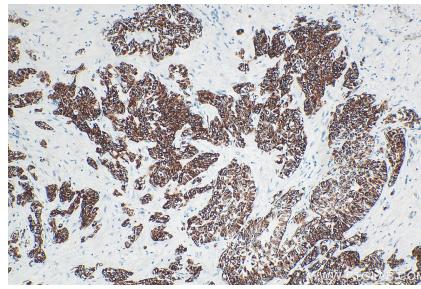
E: proteintech@ptglab.com
W: ptglab.com

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

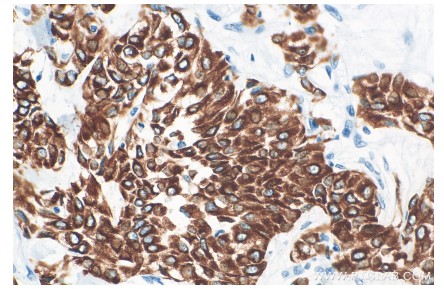
Selected Validation Data



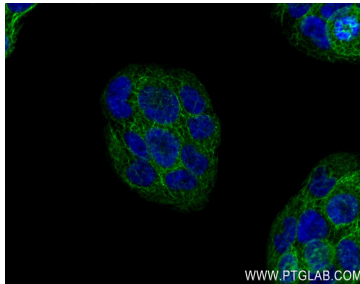
Various lysates were subjected to SDS PAGE followed by western blot with 83058-1-RR (KRT13 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



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).



Immunofluorescent analysis of (-20°C Methanol) fixed HaCaT cells using Cytokeratin 13 antibody (83058-1-RR, Clone: 230366B10) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).