

For Research Use Only

Cytokeratin 10-specific Polyclonal antibody

Catalog Number: 16855-1-AP



Basic Information

| | | |
|---|---|---|
| Catalog Number: 16855-1-AP | GenBank Accession Number: NM_000421 | Purification Method: Antigen affinity purification |
| Size: 150ul, Concentration: 550 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 3858 | Recommended Dilutions: WB 1:500-1:3000 IHC 1:500-1:2000 IF/ICC 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: P13645 | |
| Isotype: IgG | Full Name: keratin 10 | |
| | Calculated MW: 59 kDa | |
| | Observed MW: 59 kDa | |

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 : mouse skin tissue, rat skin tissue

IHC : human skin cancer tissue, human breast cancer tissue, mouse skin tissue, rat skin tissue

IF/ICC : HaCaT cells,

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. As a type I keratin, keratin 10 is a suprabasal marker of differentiation in stratified squamous epithelia. This antibody is specifically against KRT10.

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**

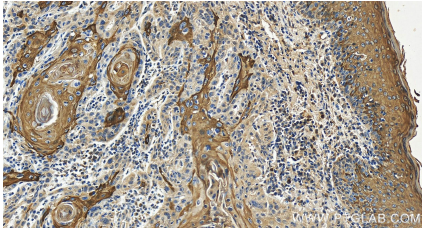
For technical support and original validation data for this product please contact:

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

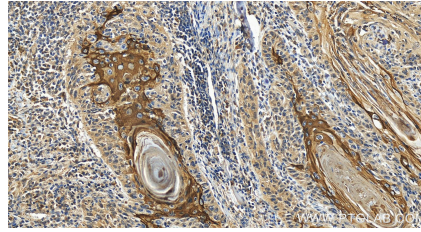
E: proteintech@ptglab.com
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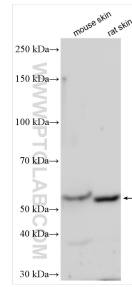
Selected Validation Data



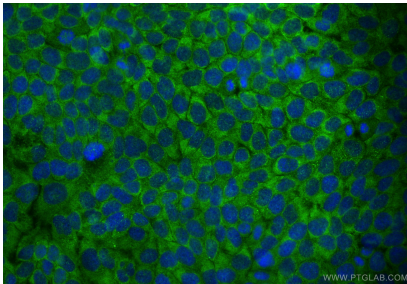
Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 16855-1-AP (Cytokeratin 10-specific antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Various lysates were subjected to SDS PAGE followed by western blot with 16855-1-AP (Cytokeratin 10-specific antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HaCaT cells using Cytokeratin 10-specific antibody (16855-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).