

For Research Use Only

Cytokeratin 5/6 Monoclonal antibody



Catalog Number: 68295-1-Ig

Basic Information

Catalog Number: 68295-1-Ig	GenBank Accession Number: BC034535	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 743 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3854	CloneNo.: 1F9E1
Source: Mouse	Full Name: keratin 6B	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1150-1:4600 IF 1:200-1:800
Isotype: IgG1	Calculated MW: 564 aa, 60 kDa	
Immunogen Catalog Number: AG11288	Observed MW: 60 kDa	

Applications

Tested Applications:

IF, IHC, WB, 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, human saliva, rat skin tissue, mouse skin tissue

IHC : human cervical cancer tissue, human lung cancer tissue, human oesophagus cancer tissue

IF : human cervical cancer tissue, HeLa 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. This antibody can react with Cytokeratin 5 and Cytokeratin 6.

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

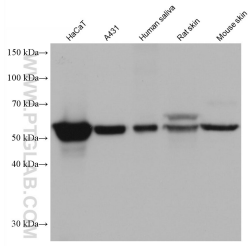
For technical support and original validation data for this product please contact:

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

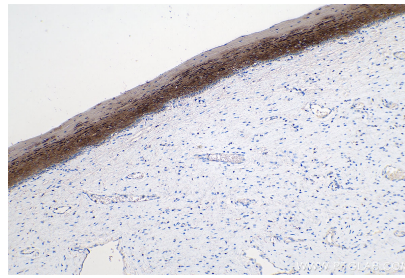
E: proteintech@ptglab.com
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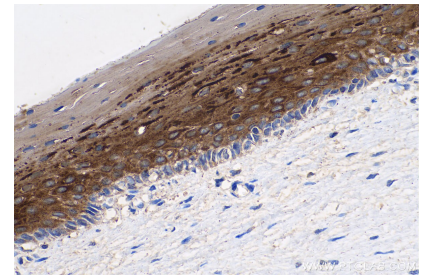
Selected Validation Data



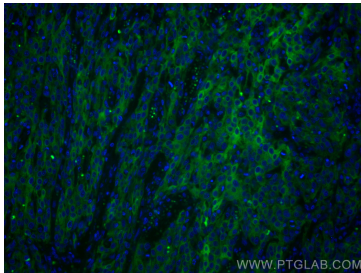
Various lysates were subjected to SDS PAGE followed by western blot with 68295-1-Ig (Cytokeratin 5/6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 68295-1-Ig (Cytokeratin 5/6 antibody) at dilution of 1:2300 (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 68295-1-Ig (Cytokeratin 5/6 antibody) at dilution of 1:2300 (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 5/6 antibody (68295-1-Ig, Clone: 1F9E1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).