For Research Use Only

Cytokeratin 6B Polyclonal antibody

Catalog Number:17391-1-AP Featured Product 2 Publications

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Basic Information

Catalog Number:
17391-1-AP

Size:
150ul , Concentration: 400 μg/ml by Nanodrop and 213 μg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG11288

GenBank Accession Number:
BC034535

GeneID (NCBI):
3854

Full Name:
keratin 6B

Calculated MW:
564 aa, 60 kDa

Observed MW:
60 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1600-1:5000
IHC 1:50-1:500
IF 1:200-1:800

Applications

Tested Applications:
FC, IF, IHC, WB, ELISA

Cited Applications:
IHC, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

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, A431 cells, rat skin tissue

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

IF : 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 courterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. Keratin 6 is a type II keratin. It is used as a marker for epidermal hyperproliferation and differentiation. Three keratin 6 isoforms were found, ketatin 6A,6B, and 6C. They share more than 99% identical DNA sequence.

Notable Publications

Author	Pubmed ID	Journal	Application
Qiang Song	35794606	J Transl Med	WB
Cui Chang-Yi CY	23439395	J Invest Dermatol	IHC

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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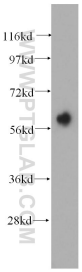
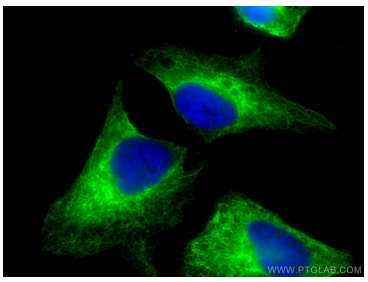
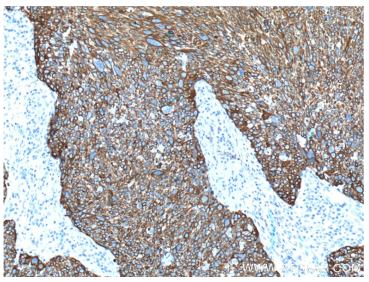
Selected Validation Data



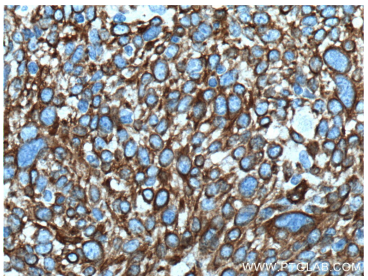
mouse skin tissue were subjected to SDS PAGE followed by western blot with 17391-1-AP (Cytokeratin 6B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



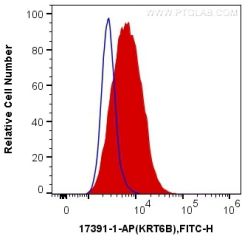
Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Cytokeratin 6B antibody (17391-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 17391-1-AP (Cytokeratin 6B 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 lung cancer tissue slide using 17391-1-AP (Cytokeratin 6B antibody at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10^6 HeLa cells were intracellularly stained with 0.2 ug Anti-Human Cytokeratin 6B (17391-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).