

For Research Use Only

Cytokeratin 6A Polyclonal antibody

Catalog Number: 10590-1-AP

16 Publications



Basic Information

Catalog Number: 10590-1-AP	GenBank Accession Number: BC008807	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3853	Recommended Dilutions: WB 1:10000-1:50000 IHC 1:200-1:800 IF 1:50-1:500
Source: Rabbit	Full Name: keratin 6A	
Isotype: IgG	Calculated MW: 60 kDa	
Immunogen Catalog Number: AG0882	Observed MW: 56 kDa	

Applications

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

Cited Applications:
IF, IHC, WB

Species Specificity:
human, rat

Cited Species:
human, rat, 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: A431 cells, MCF-7 cells, HeLa cells, A375 cells, rat skin tissue, U-251 cells

IHC: human oesophagus cancer tissue, human breast cancer tissue, human skin tissue, human lung cancer tissue

IF: A431 cells, 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. Keratin 6 is a type II keratin. It is used as marker for epidermal hyperproliferation and differentiation. There are three keratin 6 isoforms: keratin 6A, 6B and 6C. They share more than 99% identical DNA sequence.

Notable Publications

Author	Pubmed ID	Journal	Application
Bing Sun	27684953	PLoS One	WB
Lihua Gao	32168425	J Cell Mol Med	WB,IHC,IF
Jian Xiao	32162441	Clin Respir J	WB

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

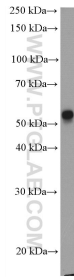
For technical support and original validation data for this product please contact:

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

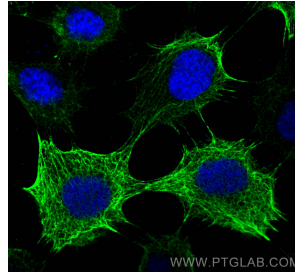
E: proteintech@ptglab.com
W: ptglab.com

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

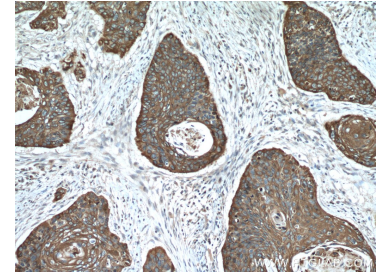
Selected Validation Data



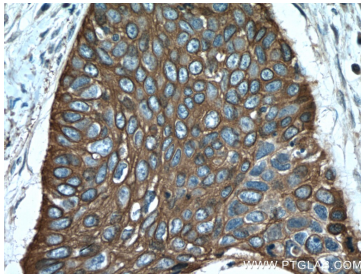
A431 cells were subjected to SDS PAGE followed by western blot with 10590-1-AP (Cytokeratin 6A antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



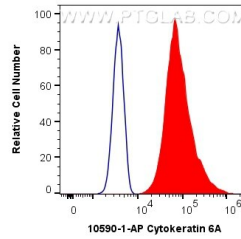
Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using Cytokeratin 6A antibody (10590-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 10590-1-AP (Cytokeratin 6A antibody) at dilution of 1:400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 10590-1-AP (Cytokeratin 6A antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1×10^6 A431 cells were intracellularly stained with 0.4 μ g Anti-Human Cytokeratin 6A (10590-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 μ g Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).