

For Research Use Only

Cytokeratin 17 Polyclonal antibody

Catalog Number: 18502-1-AP

4 Publications



Basic Information

Catalog Number:

18502-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13351

GenBank Accession Number:

BC011901

GeneID (NCBI):

3872

UNIPROT ID:

Q04695

Full Name:

keratin 17

Calculated MW:

48 kDa

Observed MW:

48 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, ELISA

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, goat

Positive Controls:

WB : HeLa cells, A431 cells

IP : HeLa cells,

IHC : human cervical cancer tissue, human lung cancer tissue, human colon cancer tissue, human pancreas cancer tissue, human skin tissue

IF/ICC : HeLa cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Keratins are a large family of proteins that form the intermediate filaments that make up the cytoskeleton. Type I keratins are a group of acidic intermediate filament proteins and type II keratins are the basic or neutral counterparts. Keratin 17 is encoded by the KRT17 gene and is a type I cytokeratin found in nail beds, hair follicles, sebaceous glands, and epidermal appendages. The molecular weight of cytokeratin 17 is approximately 49 kDa. Cytokeratin 17 plays a role in the formation and maintenance of epidermal appendages, especially in determining the shape and orientation of hair. It is required for the maintenance of the anagen (growth) state of hair follicles by modulating the function of TNF-alpha for hair cycling and is also involved in tissue repair (PMID: 16702408).

Notable Publications

Author	Pubmed ID	Journal	Application
Lei Jia	39350237	J Anim Sci Biotechnol	IF
Haoyang Tian	39070135	J Inflamm Res	IF
Ping Zhu	39109246	Research (Wash D C)	WB,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

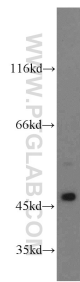
For technical support and original validation data for this product please contact:

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

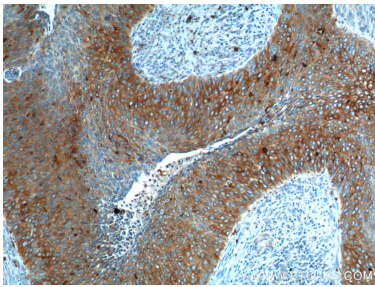
E: proteintech@ptglab.com
W: ptglab.com

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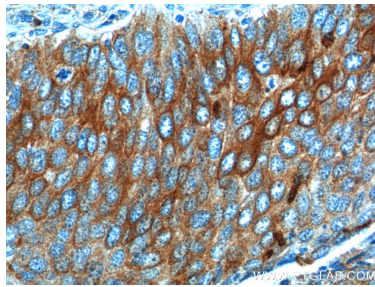
Selected Validation Data



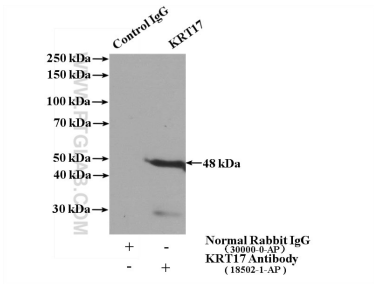
HeLa cells were subjected to SDS PAGE followed by western blot with 18502-1-AP (Cytokeratin 17 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



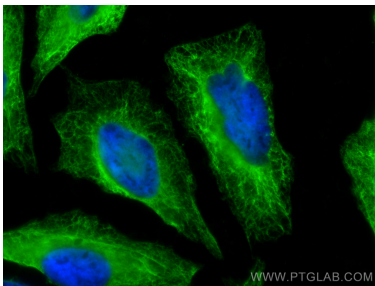
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 18502-1-AP (Cytokeratin 17 antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 18502-1-AP (Cytokeratin 17 antibody at dilution of 1:200 (under 40x lens).



IP result of anti-Cytokeratin 17 (IP:18502-1-AP, 4ug; Detection:18502-1-AP 1:600) with HeLa cells lysate 1600ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Cytokeratin 17 antibody (18502-1-AP) at dilution of 1:400 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).