

For Research Use Only

Cytokeratin 5 Polyclonal antibody

Catalog Number: 28506-1-AP

6 Publications



Basic Information

Catalog Number:

28506-1-AP

Concentration:

1500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25436

GenBank Accession Number:

BC024292

GeneID (NCBI):

3852

UNIPROT ID:

P13647

Full Name:

keratin 5

Calculated MW:

590 aa, 62 kDa

Observed MW:

62 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:1000-1:4000

IF-P 1:50-1:500

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, ELISA

Cited Applications:

WB, IF

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 : A431 cells, mouse skin tissues, rat skin tissues

IHC : human tonsillitis tissue, human brown disease, human lung cancer tissue

IF-P : human tonsillitis tissue,

IF/ICC : A431 cells,

Background Information

Cytokeratin 5 (CK5) is a type II intermediate filament protein predominantly expressed in basal epithelial cells of various tissues, including the skin, breast, salivary glands, urinary tract, and upper aerodigestive tract. It is commonly found in specialized cell types such as squamous cells, basal cells, and myoepithelial cells. CK5 forms heterodimers with cytokeratin 14 and plays a crucial role in providing structural support to epithelial cells

Notable Publications

Author	Pubmed ID	Journal	Application
Shan Chen	35302673	J Clin Lab Anal	WB
Li Dong	35690140	J Invest Dermatol	IF
Jiaxin Wang	38764448	Bioact Mater	IF

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

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

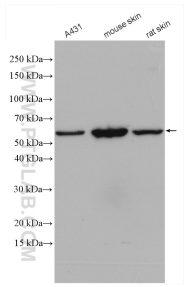
T: 4006900926

E: Proteintech-CN@ptglab.com

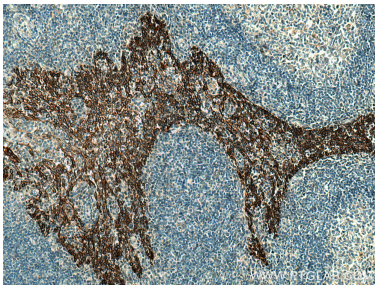
W: ptgcn.com

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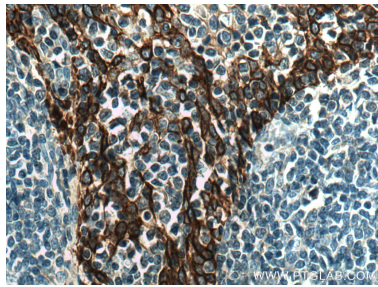
Selected Validation Data



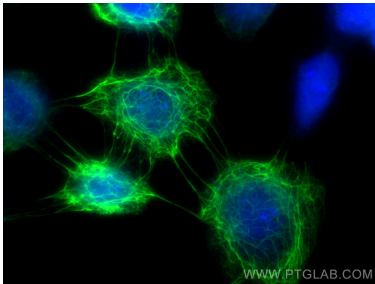
Various lysates were subjected to SDS PAGE followed by western blot with 28506-1-AP (Cytokeratin 5 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



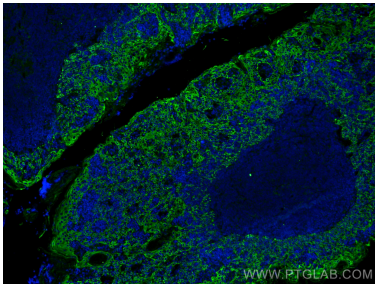
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 28506-1-AP (Cytokeratin 5 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



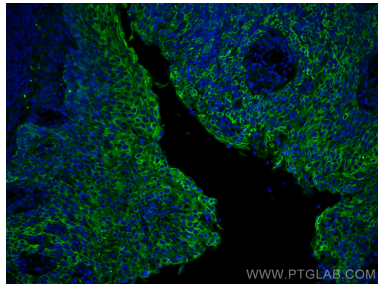
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 28506-1-AP (Cytokeratin 5 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using Cytokeratin 5 antibody (28506-1-AP) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using Cytokeratin 5 antibody (28506-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using Cytokeratin 5 antibody (28506-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).