

Cytokeratin 5 Monoclonal antibody

Catalog Number: 66727-1-Ig **11 Publications**

Basic Information

Catalog Number: 66727-1-Ig	GenBank Accession Number: BC024292	Purification Method: Protein G purification
Size: 1000 ug/ml	GeneID (NCBI): 3852	CloneNo.: 1A1C5
Source: Mouse	UNIPROT ID: P13647	Recommended Dilutions: WB 1:20000-1:100000 IHC 1:5000-1:20000 IF-P 1:200-1:800 IF/ICC 1:200-1:800
Isotype: IgG1	Full Name: keratin 5	
Immunogen Catalog Number: AG24184	Calculated MW: 590 aa, 62 kDa Observed MW: 60 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IF-P, ELISA	Positive Controls: WB : HaCaT cells, SKOV-3 cells, mouse skin tissue, MCF-7 cells, A549 cells, A-253 cells, A431 cells, human saliva, pig skin tissue IHC : human tonsillitis tissue, human breast cancer tissue, human breast hyperplasia tissue, human cervical cancer tissue, human lung cancer tissue, human oesophagus cancer tissue, human skin cancer tissue IF-P : human oesophagus cancer tissue, human prostate cancer tissue IF/ICC : A431 cells,
Cited Applications: WB, IHC, IF	
Species Specificity: human, mouse, pig	
Cited Species: 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	

Background Information

Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells. Keratin expression is highly regulated, tissue specific, and varies according to cell-state. Type I keratins consist of acidic, low molecular weight proteins with MW ranging from 40 kDa (KRT19) to 64 kDa (KRT9). Type 2 keratins consist of basic or neutral, high molecular weight proteins with MW from 52 kDa (KRT8) to 67 kDa (KRT18). Keratin 5, one 58-kD type II keratin, is coexpressed with a 50-kD keratin 14 in stratified squamous epithelia. Keratin 5, one 58-kD type II keratin, is coexpressed with a 50-kD tyk14 in stratified squamous epithelia.

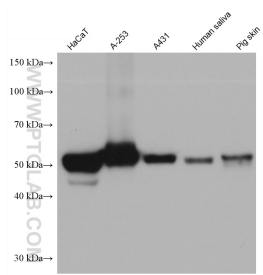
Notable Publications

Author	Pubmed ID	Journal	Application
Kui Xiao	34714841	PLoS One	WB
Mie Naruse	34912374	Front Genet	IHC
Xin-Xing Lei	32382038	Cell Death Dis	WB

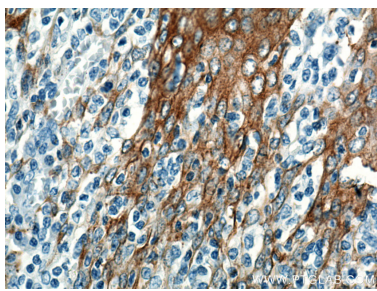
Storage

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

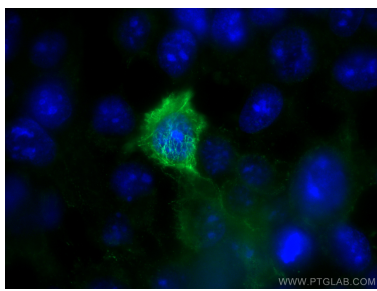
Selected Validation Data



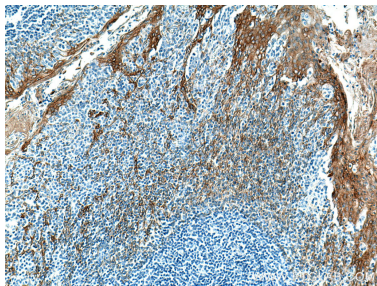
Various lysates were subjected to SDS PAGE followed by western blot with 66727-1-Ig (Cytokeratin 5 antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours.



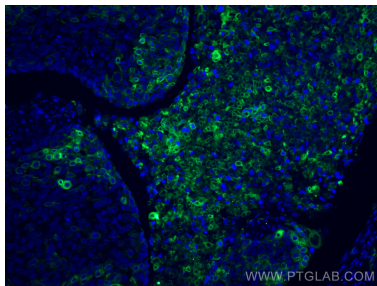
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66727-1-Ig (Cytokeratin 5 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



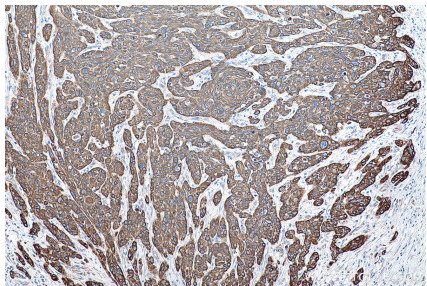
Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using Cytokeratin 5 antibody (66727-1-Ig, Clone: 1A1C5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66727-1-Ig (Cytokeratin 5 antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human oesophagus cancer tissue using Cytokeratin 5 antibody (66727-1-Ig, Clone: 1A1C5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 66727-1-Ig (Cytokeratin 5 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).