

For Research Use Only

Cytokeratin 5 Monoclonal antibody, PBS Only

Catalog Number: 66727-1-PBS



Basic Information

Catalog Number: 66727-1-PBS	GenBank Accession Number: BC024292	Purification Method: Protein G purification
Concentration: 1mg/ml	GeneID (NCBI): 3852	CloneNo.: 1A1C5
Source: Mouse	UNIPROT ID: P13647	
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

Species Specificity:
human, mouse, pig

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.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

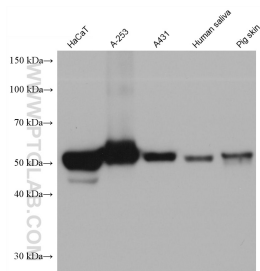
T: 4006900926

E: Proteintech-CN@ptglab.com

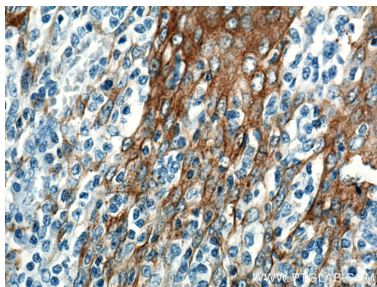
W: ptgcn.com

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

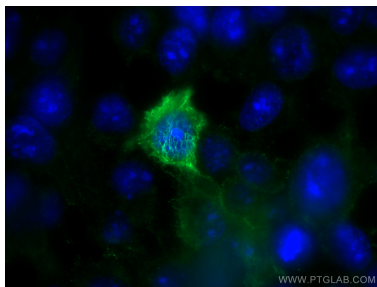
Selected Validation Data



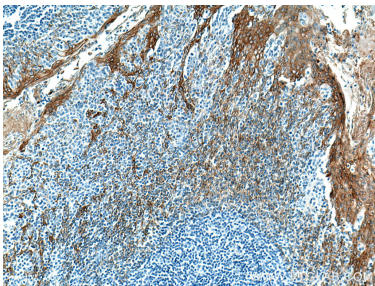
Various lysates were subjected to SDS PAGE followed by western blot with 66727-1-Ig (Cytokeratin 5 antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66727-1-PBS in a different storage buffer formulation.



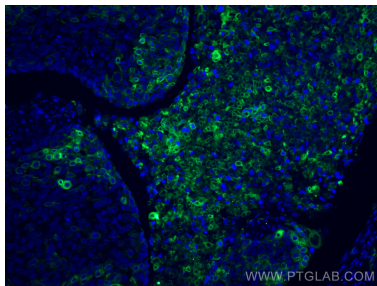
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66727-1-Ig (Cytokeratin 5 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66727-1-PBS in a different storage buffer formulation.



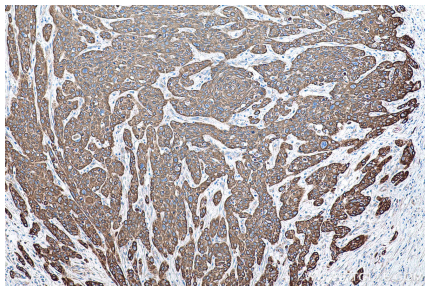
Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using Cytokeratin 5 antibody (66727-1-Ig, Clone: 1A1C5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66727-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66727-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66727-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66727-1-PBS in a different storage buffer formulation.