

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
Size: 1 mg/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,FC,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 -20°C. Stable for one year after shipment.

Storage Buffer:
PBS only

Aliquoting is unnecessary for -20°C storage

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

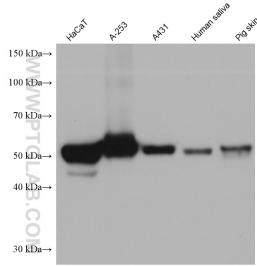
T: 4006900926

E: Proteintech-CN@ptglab.com

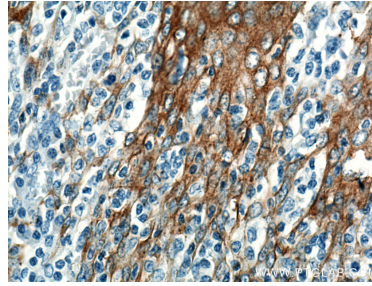
W: ptgcn.com

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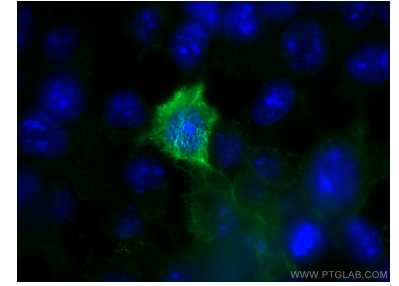
Selected Validation Data



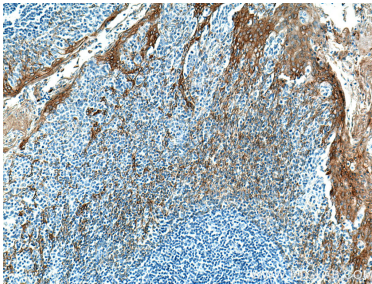
Various lysates were subjected to SDS PAGE followed by western blot with 66727-1-Ig (Cytokeratin 5 antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66727-1-PBS in a different storage buffer formulation.



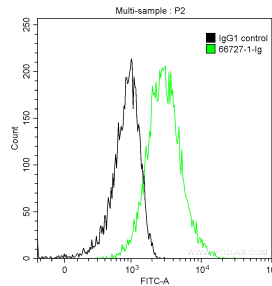
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66727-1-Ig (Cytokeratin 5 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66727-1-PBS in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



1X10⁶ A431 cells were intracellularly stained with 0.2 ug Anti-Human Cytokeratin 5 (66727-1-Ig, Clone:1A1C5) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH. This data was developed using the same antibody clone with 66727-1-PBS in a different storage buffer formulation.