## For Research Use Only

## Cytokeratin 5 Monoclonal antibody Catalog Number:66727-1-Ig 11 Publications



Basic Information	Catalog Number: 66727-1-lg	GenBank Accession Number: BC024292		Purification Method: Protein G purification	
	Size: 150ul , Concentration: 1000 ug/ml by Nanodrop; Source: Mouse Isotype: IgG1 Immunogen Catalog Number: AG24184	GeneID (NCBI): 3852 UNIPROT ID: P13647 Full Name: keratin 5 Calculated MW: 590 aa, 62 kDa Observed MW: 60 kDa		CloneNo.: 1A1C5 Recommended Dilutions: WB 1:20000-1:100000 IHC 1:5000-1:20000 IF-P 1:200-1:800 IF/ICC 1:200-1:800	
Applications	Tested Applications:PoWB, IHC, IF/ICC, IF-P, ELISAWithCited Applications:MithWB, IHC, IFSaSpecies Specificity:IHhuman, mouse, pigtisCited Species:cehuman, mouse, rathuuNote-IHC: suggested antigen retrieval withTETE buffer pH 9.0; (*) Alternatively, antigenIFretrieval may be performed with citrateprobuffer nH 6.0pro		Positive Con WB : HaCaT o MCF-7 cells, saliva, pig sk	ositive Controls: /B : HaCaT cells, SKOV-3 cells, mouse skin tissue, ICF-7 cells, A549 cells, A-253 cells, A431 cells, human aliva, pig skin tissue	
			IHC : human tissue, huma cervical canc human oesoj 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-P : human prostate cane		
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 Dub		lournal	Application	
	Kui Xiao 347	14841	PLoS One	WB	
	Mie Naruse 349	12374	Front Genet	IHC	
	Xin-Xing Lei 323	82038	Cell Death Dis	WB	
Storage	Storage: Store at -20°C. Stable for one year aft Storage Buffer: PBS with 0.02% sodium azide and 50	er shipment. % glycerol pH 7. <u>3</u>	ş.		
*** 20ul sizes contain 0.1% BSA	Aliquoting is unnecessary for -20 $^{\circ}$ C s	torage			

For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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## Selected Validation Data



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



Immunohistochemical analysis of paraffinembedded human tonsillitis tissue slide using 66727-1-1g (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 paraffinembedded human tonsillitis tissue slide using 66727-1-1g (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 (66727-1-1g, Clone: 1A1C5) at dilution of 1:400 and Coralite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffinembedded 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).