

For Research Use Only

Cytokeratin 8 Polyclonal antibody

Catalog Number: 17514-1-AP **24 Publications**



Basic Information

Catalog Number: 17514-1-AP	GenBank Accession Number: NM_002273	Purification Method: Antigen affinity purification
Size: 500 ug/ml	GeneID (NCBI): 3856	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:1000-1:4000 IF-P 1:200-1:800
Source: Rabbit	UNIPROT ID: P05787	
Isotype: IgG	Full Name: keratin 8	
	Calculated MW: 54 kDa	
	Observed MW: 54 kDa	

Applications

Tested Applications: WB, IHC, IF-P, FC (Intra), ELISA	Positive Controls: WB : A431 cells, A549 cells, C6 cells, HeLa cells, MCF-7 cells IHC : human stomach tissue, human colon, human bowen disease, human prostate cancer tissue IF-P: mouse testis tissue,
Cited Applications: WB, IHC, IF	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, rat, zebrafish, hamster	

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, which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins, including K9-K23, and the hair keratins Ha1-Ha8. Type II keratins are the basic or neutral counterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. KRT8 is often paired with keratin 18 in vivo. This antibody is specifically against KRT8.

Notable Publications

Author	Pubmed ID	Journal	Application
Jiajun Xie	34482361	Signal Transduct Target Ther	WB,IHC
Mengjie Li	34845376	Oncogene	WB
Xiaoqiu Zhou	30655849	Oncol Lett	IHC

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:

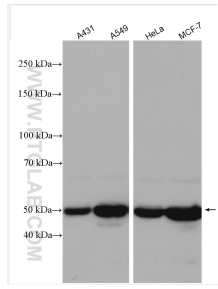
T: 4006900926

E: Proteintech-CN@ptglab.com

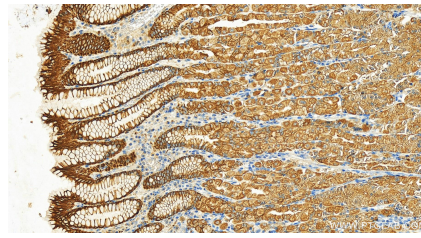
W: ptgcn.com

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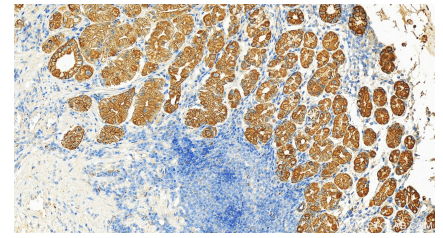
Selected Validation Data



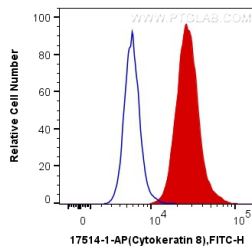
Various lysates were subjected to SDS PAGE followed by western blot with 17514-1-AP (Cytokeratin 8 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



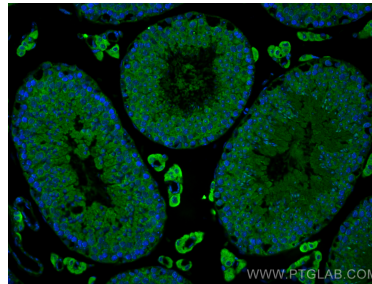
Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 17514-1-AP (Cytokeratin 8 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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1X10⁶ HeLa cells were intracellularly stained with 0.2 ug Anti-Human Cytokeratin 8 (17514-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse testis tissue using Cytokeratin 8 antibody (17514-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).