For Research Use Only

Cytokeratin 8 Polyclonal antibody

Catalog Number:17514-1-AP 40 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
17514-1-AP

Size:
150ul , Concentration: 500 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_002273

GeneID (NCBI):
3856

UNIPROT ID:
P05787

Full Name:
keratin 8

Calculated MW:
54 kDa

Observed MW:
54 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:1000-1:8000
IHC: 1:2000-1:8000
IF-P: 1:50-1:500
FC (Intra): 0.20 ug per 10^6 cells in a 100 ul suspension

Applications

Tested Applications:
WB, IHC, IF-P, FC (Intra), ELISA

Cited Applications:
WB, IHC, IF, CoIP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat, zebrafish, hamster, sheep

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A431 cells, A549 cells, C6 cells, HeLa cells, MCF-7 cells

IHC : human appendicitis tissue, human bowen disease tissue, human colon tissue, human prostate cancer tissue

IF-P : human colon tissue, mouse testis tissue

FC (Intra) : HeLa cells,

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 courterparts 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

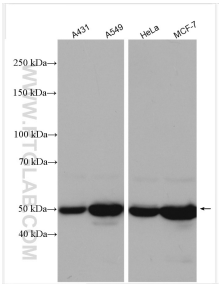
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

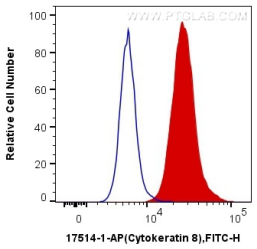
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

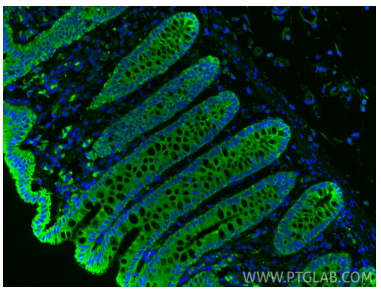
Selected Validation Data



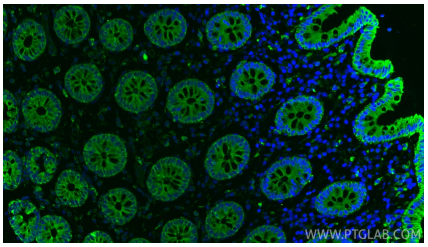
Various lysates were subjected to SDS PAGE followed by western blot with 17514-1-AP (Cytokeratin 8 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



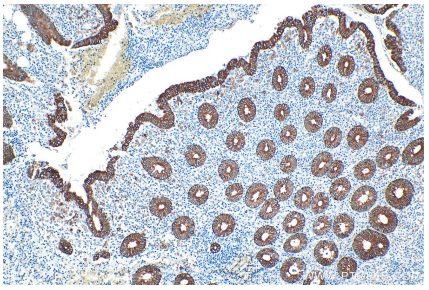
1X10^6 HeLa cells were intracellularly stained with 0.2 ug Anti-Human Cytokeratin 8 (17514-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



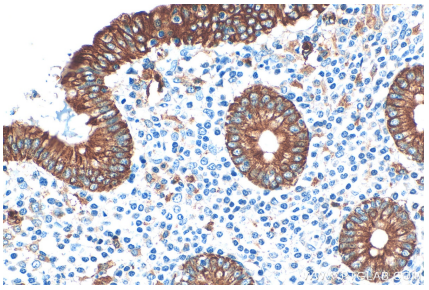
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human colon tissue using Cytokeratin 8 antibody (17514-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human colon tissue using Cytokeratin 8 antibody (17514-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 17514-1-AP (Cytokeratin 8 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 17514-1-AP (Cytokeratin 8 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).