

For Research Use Only

Keratin 81 Polyclonal antibody

Catalog Number: 11342-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

11342-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1890

GenBank Accession Number:

BC021241

GeneID (NCBI):

3887

UNIPROT ID:

Q14533

Full Name:

keratin 81

Calculated MW:

55 kDa

Observed MW:

54 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, mouse

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: HeLa cells, mouse thymus tissue, human spleen tissue, HEK-293 cells, MCF-7 cells, mouse pancreas tissue

IP: HEK-293 cells,

IHC: human colon cancer tissue,

IF/ICC: 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 counterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. KRT81 is a type II keratin.

Notable Publications

Author	Pubmed ID	Journal	Application
Yifan Wang	32816949	Clin Cancer Res	IHC
Naoki Nanashima	28405679	Oncol Rep	
Diane S Kang	37949677	Adv Sci (Weinh)	WB

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:

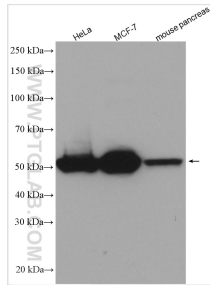
T: 4006900926

E: Proteintech-CN@ptglab.com

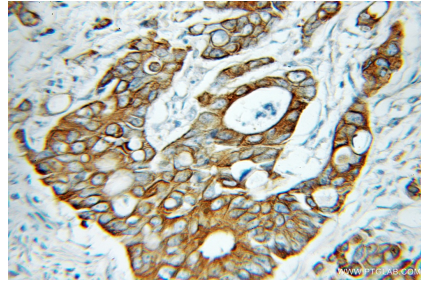
W: ptgcn.com

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

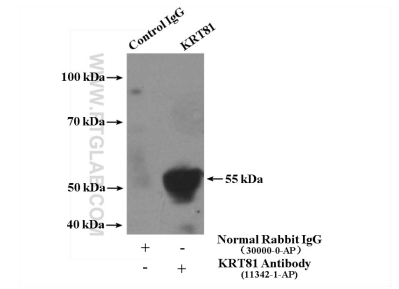
Selected Validation Data



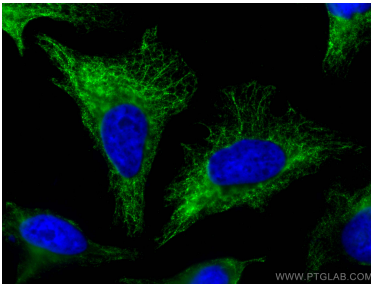
Various lysates were subjected to SDS PAGE followed by western blot with 11342-1-AP (KRT81 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 11342-1-AP (KRT81 antibody) at dilution of 1:50 (under 10x lens).



IP result of anti-KRT81 (IP:11342-1-AP, 4ug; Detection:11342-1-AP 1:300) with HEK-293 cells lysate 2800ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using KRT81 antibody (11342-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).