

For Research Use Only

# UBA5 Polyclonal antibody

Catalog Number: 12093-1-AP

Featured Product

8 Publications



## Basic Information

### Catalog Number:

12093-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 253 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2734

### GenBank Accession Number:

BC009737

### GeneID (NCBI):

79876

### UNIPROT ID:

Q9GZZ9

### Full Name:

ubiquitin-like modifier activating enzyme 5

### Calculated MW:

404 aa, 45 kDa

### Observed MW:

45 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

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

IHC 1:50-1:500

IF/ICC 1:10-1:100

## Applications

### Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

### Cited Applications:

WB, IF

### 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: HEK-293 cells, HeLa cells, Jurkat cells

IP: HeLa cells,

IHC: human colon cancer tissue,

IF/ICC: HepG2 cells, HeLa cells

## Background Information

UBA5(Ubiquitin-like modifier-activating enzyme 5) is also named as UBE1DC1,ThiFP1.It has been detected highest UBE1DC1 expression in spleen, high expression in most other tissues examined, and low expression in colon, prostate, brain, and ovary by RT-PCR analysis(PMID:16328888).

## Notable Publications

Author	Pubmed ID	Journal	Application
Franziska Eck	32843575	J Cell Sci	IF
Estelle Colin	27545681	Am J Hum Genet	WB
James M Gavin	24966333	J Biol Chem	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

\*\*\* 20ul sizes contain 0.1% BSA

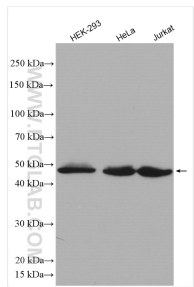
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

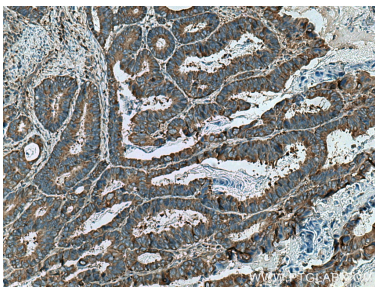
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

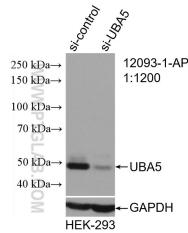
Selected Validation Data



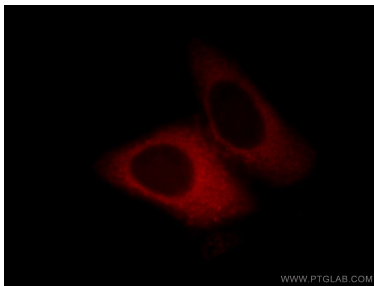
Various lysates were subjected to SDS PAGE followed by western blot with 12093-1-AP (UBA5 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



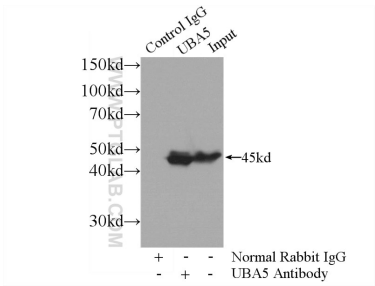
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12093-1-AP (UBA5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



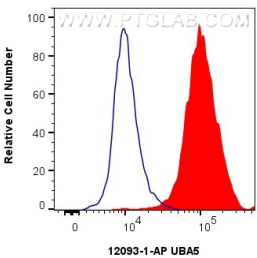
WB result of UBA5 antibody (12093-1-AP; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-UBA5 transfected HEK-293 cells.



Immunofluorescent analysis of HepG2 cells, using UBA5 antibody 12093-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP result of anti-UBA5 (IP:12093-1-AP, 4ug; Detection:12093-1-AP 1:1000) with HeLa cells lysate 1800ug.



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug UBA5 Polyclonal antibody (12093-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).