

For Research Use Only

UBA5 Polyclonal antibody

Catalog Number: 12093-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number: 12093-1-AP	GenBank Accession Number: BC009737	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 79876	Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: ubiquitin-like modifier activating enzyme 5	IHC 1:50-1:500 IF 1:10-1:100
Isotype: IgG	Calculated MW: 404 aa, 45 kDa	
Immunogen Catalog Number: AG2734	Observed MW: 45 kDa	

Applications

Tested Applications: FC, IF, IHC, IP, WB, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells, Jurkat cells
Cited Applications: IF, WB	IP : HeLa cells,
Species Specificity: human, mouse	IHC : human colon cancer tissue,
Cited Species: human, mouse	IF : HepG2 cells, HeLa cells

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

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

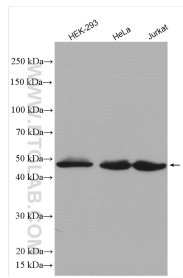
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

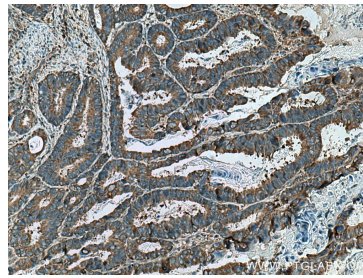
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

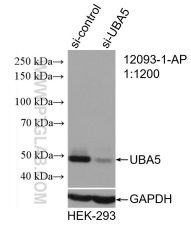
Selected Validation Data



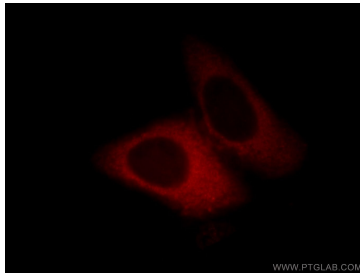
Various lysates were subjected to SDS PAGE followed by western blot with 12093-1-AP (UBA5 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



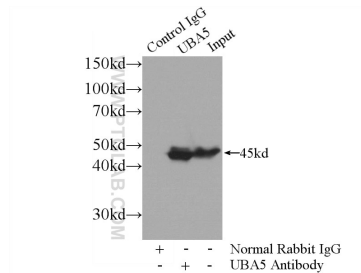
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12093-1-AP (UBA5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



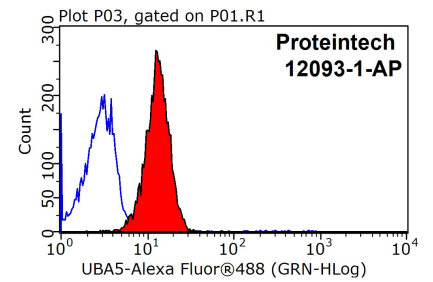
WB result of UBA5 antibody (12093-1-AP; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-UBA5 transfected HEK-293 cells.



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.



1×10^6 HeLa cells were stained with 0.2ug UBA5 antibody (12093-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.