

For Research Use Only

USP28 Polyclonal antibody

Catalog Number: 17707-1-AP

Featured Product

19 Publications



Basic Information

Catalog Number: 17707-1-AP	GenBank Accession Number: BC065928	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop;	GeneID (NCBI): 57646	Recommended Dilutions: WB 1:2000-1:16000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
Source: Rabbit	Full Name: ubiquitin specific peptidase 28	
Isotype: IgG	Calculated MW: 583aa,66 kDa; 1077aa,120 kDa	
Immunogen Catalog Number: AG12003	Observed MW: 135 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, IP, WB	WB: A431 cells, HeLa cells, mouse heart tissue, MDA-MB-231 cells
Species Specificity: human, mouse, rat	IP: HeLa cells,
Cited Species: human, mouse	IHC: human breast cancer tissue,

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

USP28 (Ubiquitin carboxyl-terminal hydrolase 28) is also named as KIAA1515. USP28 is a 53BP1-interacting protein and a putative deubiquitinating enzyme, and belongs to a family of enzymes, called deubiquitinating enzymes (DUBs), which remove ubiquitin from the ubiquitin conjugates (PMID:16901786). It can be phosphorylated upon DNA damage at Ser-67 and Ser-714, by ATM or ATR (PMID:16901786). This protein has some isoforms produced by alternative splicing with the molecular mass of 122 kDa, 119 kDa and 66 kDa, and can be detected as 130-140 kDa (PMID: 16901786).

Notable Publications

Author	Pubmed ID	Journal	Application
Sheng Li	34755101	iScience	WB
Ying Ren	36442624	Biochem Pharmacol	WB, IF
Jiewei Wang	34822842	J Biol Chem	WB, IP

Storage

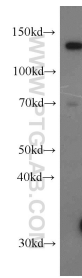
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

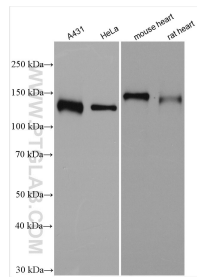
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

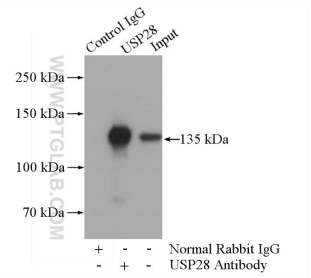
Selected Validation Data



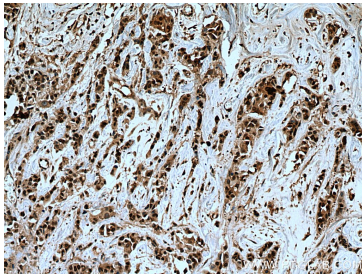
HeLa cells were subjected to SDS PAGE followed by western blot with 17707-1-AP (USP28 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



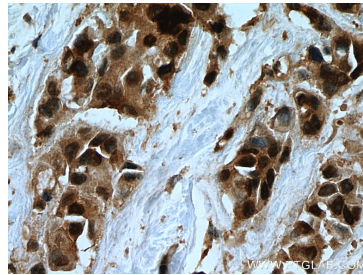
Various lysates were subjected to SDS PAGE followed by western blot with 17707-1-AP (USP28 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP Result of anti-USP28 (IP:17707-1-AP, 4ug; Detection:17707-1-AP 1:600) with HeLa cells lysate 2800ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 17707-1-AP (USP28 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 17707-1-AP (USP28 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).