

For Research Use Only

USP37 Polyclonal antibody

Catalog Number: 18465-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number: 18465-1-AP	GenBank Accession Number: BC112901	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 180 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 57695	Recommended Dilutions: WB 1:2000-1:16000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: ubiquitin specific peptidase 37	Calculated MW: 885 aa, 100 kDa
Isotype: IgG	Observed MW: 110 kDa	Immunogen Catalog Number: AG12513

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : mouse brain tissue, mouse spleen tissue, rat brain tissue IP : mouse brain tissue, IHC : human breast cancer tissue,
Cited Applications: IF, IHC, IP, WB	
Species Specificity: human, mouse, rat	
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	

Background Information

USP37 (ubiquitin specific peptidase 37), is a member of ubiquitin-specific processing proteases family. Human USP37, localized mainly in the cytoplasm, is composed of 979 amino acids harboring three ubiquitin-interacting motifs between the Cys box and His box of the primary sequence (PMID: 27045719, 24324262). High levels of USP37 gene expression in lung cancer promoted cell viability as well as the Warburg effect via deubiquitination and stabilization of pluripotent factor c-Myc protein (PMID: 25284584). Moreover, USP37 expression was upregulated in breast cancer tissues compared with surrounding tissues and its overexpression was significantly correlated with increased rates of mortality. USP37 may represent a novel molecular target for breast cancer treatment (PMID: 30482232, 27045719).

Notable Publications

Author	Pubmed ID	Journal	Application
Wenyng Gao	34630422	Front Immunol	WB
Chenming Wu	34606619	Nucleic Acids Res	WB,IF,IHC
Tao Qin	30482232	J Exp Clin Cancer Res	WB,IHC,IF

Storage

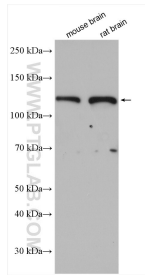
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

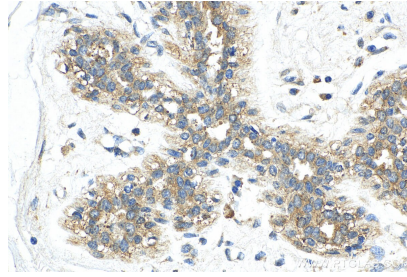
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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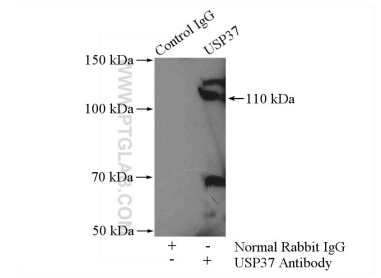
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18465-1-AP (USP37 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 18465-1-AP (USP37 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-USP37 (IP:18465-1-AP, 4ug; Detection:18465-1-AP 1:500) with mouse brain tissue lysate 4000ug.