

For Research Use Only

USP50 Polyclonal antibody

Catalog Number: 24817-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number: 24817-1-AP	GenBank Accession Number: BC146493	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop;	GeneID (NCBI): 373509	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q70EL3	
Isotype: IgG	Full Name: ubiquitin specific peptidase 50	
Immunogen Catalog Number: AG19337	Calculated MW: 339 aa, 39 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : mouse testis tissue, IHC : human hepatocirrhosis tissue, mouse testis tissue
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	

Background Information

Ubiquitin-specific protease 50 (USP50) belongs to the peptidase C19 family. USP50 has been shown to regulate cell cycle and DNA repair through interaction with the Wee1 protein in transformed human osteosarcoma and human epithelial cell lines. USP50 has also been shown to play a role in inflammasomal function by targeting the adaptor protein (PMID: 29101126). USP50 has 2 isoforms with the molecular mass of 38 and 39 kDa. Sometimes higher molecular weight around 44 kDa can also be observed, which may be a modified variant of USP50.

Notable Publications

Author	Pubmed ID	Journal	Application
Chenye Zhao	38469295	Front Immunol	WB,IF

Storage

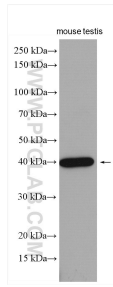
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

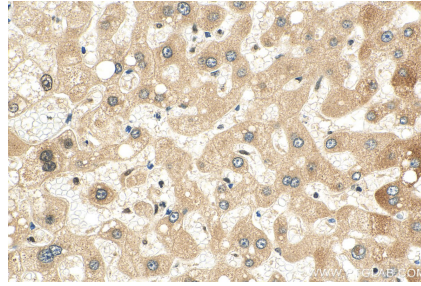
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 24817-1-AP (USP50 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 24817-1-AP (USP50 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).