

For Research Use Only

USP54 Polyclonal antibody

Catalog Number: 26707-1-AP



Basic Information

Catalog Number: 26707-1-AP	GenBank Accession Number: BC130633	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 ug/ml by Nanodrop;	GeneID (NCBI): 159195	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:400-1:1600
Source: Rabbit	UNIPROT ID: Q70EL1	
Isotype: IgG	Full Name: ubiquitin specific peptidase 54	
Immunogen Catalog Number: AG25080	Observed MW: 180 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : LNCaP cells, IHC : mouse liver 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

USP54 is a ubiquitin-specific protease in the deubiquitinating enzyme (DUB) family that promotes the malignant progression of many cancers. As a deubiquitinating enzyme, USP54 maintains the stability of PLK4 protein through deubiquitination, which promotes centrosome amplification and GC progression. USP54 is also highly expressed in colorectal cancers, and is associated with proliferation, invasion and migration of colorectal cancer. In addition, USP54 plays a key role in the transformation of hormone-sensitive prostate cancer (HSPC) into chemoresistant prostate cancer (CRPC), and may serve as a potential therapeutic target in CRPC.

Storage

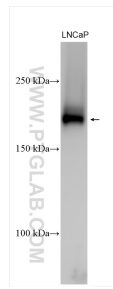
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

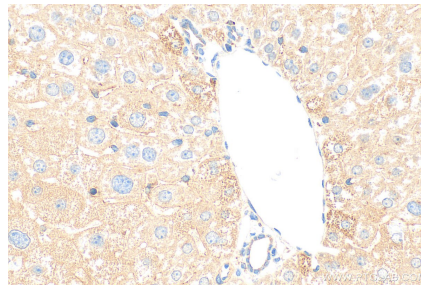
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 26707-1-AP (USP54 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 26707-1-AP (USP54 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).