

USP54 Polyclonal antibody

Catalog Number: 26707-1-AP

Basic Information

Catalog Number:	26707-1-AP	GenBank Accession Number:	BC130633	Purification Method:	Antigen affinity purification
Concentration:	550 ug/ml	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

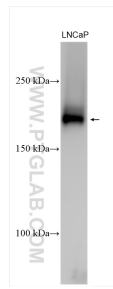
Background Information

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.

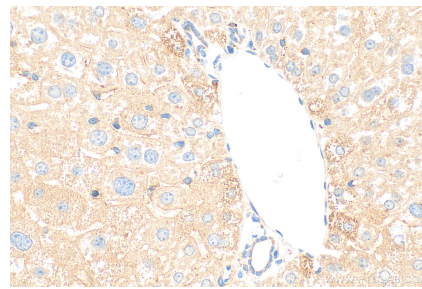
Storage

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

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).