

For Research Use Only

# USP54 Polyclonal antibody, PBS Only

Catalog Number: 26707-1-PBS



## Basic Information

Catalog Number:

26707-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25080

GenBank Accession Number:

BC130633

GeneID (NCBI):

159195

UNIPROT ID:

Q70EL1

Full Name:

ubiquitin specific peptidase 54

Observed MW:

180 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

## 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only

For technical support and original validation data for this product please contact:

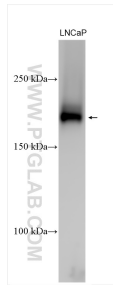
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

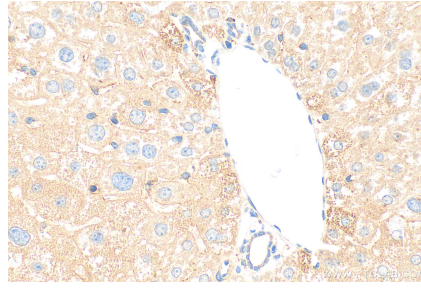
W: [ptgcn.com](http://ptgcn.com)

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## 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. This data was developed using the same antibody clone with 26707-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 26707-1-PBS in a different storage buffer formulation.