

For Research Use Only

# USP49 Polyclonal antibody

Catalog Number: 18066-1-AP

Featured Product

16 Publications



## Basic Information

Catalog Number:

18066-1-AP

Size:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12697

GenBank Accession Number:

BC014176

GeneID (NCBI):

25862

UNIPROT ID:

Q70CQ1

Full Name:

ubiquitin specific peptidase 49

Calculated MW:

73 kDa, 79 kDa

Observed MW:

79-85 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IP, CoIP, ChIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : MCF-7 cells,

IHC : human colon cancer tissue, human breast cancer tissue

## Background Information

USPs are cysteine proteases that vary greatly in size and structural complexity. Outside of the core catalytic domain, USPs exhibit N-terminal and C-terminal extensions that have been proposed to play roles in determining cellular localization and substrate specificity of these enzymes (PMID:14715245). USP49 (Ubiquitin carboxyl-terminal hydrolase 49) belongs to this family. It has 2 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Arun Pandian Chandrasekaran	34815782	Theranostics	WB
Wei Zhang	30246457	J Cell Physiol	WB, CoIP
Misaki Matsui	35598681	Gene	WB

## 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

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

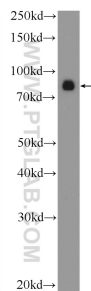
T: 4006900926

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

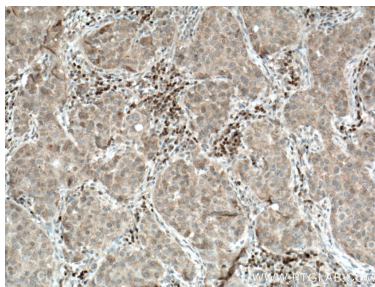
W: [ptgcn.com](http://ptgcn.com)

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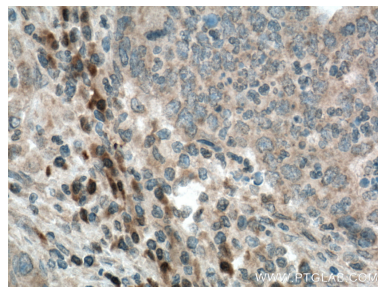
## Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 18066-1-AP (USP49 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 18066-1-AP (USP49 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 18066-1-AP (USP49 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).