

For Research Use Only

# USP49 Polyclonal antibody

Catalog Number: 18066-1-AP

Featured Product

15 Publications



## Basic Information

<b>Catalog Number:</b> 18066-1-AP	<b>GenBank Accession Number:</b> BC014176	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 25862	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> ubiquitin specific peptidase 49	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 73 kDa, 79 kDa	
<b>Immunogen Catalog Number:</b> AG12697	<b>Observed MW:</b> 79-85 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : MCF-7 cells, IHC : human stomach tissue,
<b>Cited Applications:</b> ChIP, CoIP, IP, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> 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**

## 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

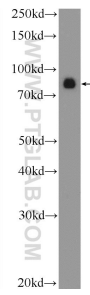
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

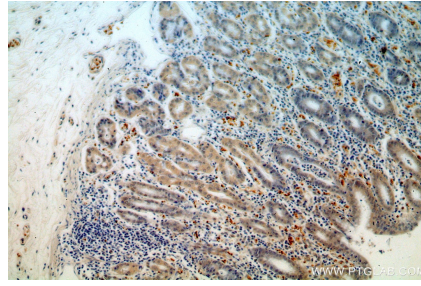
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

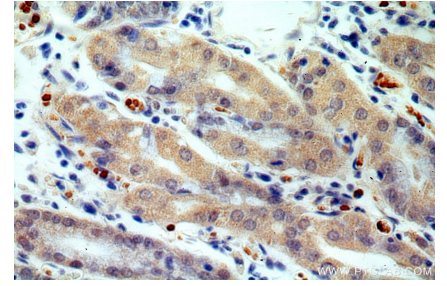
## Selected Validation Data



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 stomach using 18066-1-AP (USP49 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human stomach using 18066-1-AP (USP49 antibody) at dilution of 1:50 (under 40x lens).