For Research Use Only

USP49 Polyclonal antibody

Catalog Number:18066-1-AP Featured Product 16 Publications

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Basic Information

Catalog Number:
18066-1-AP

Size:
150ul , Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

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

*** 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
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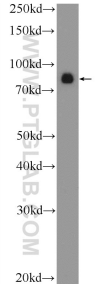
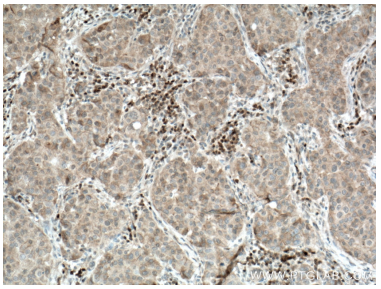
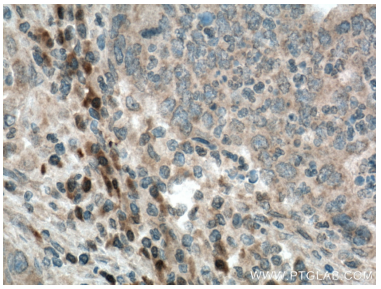
Selected Validation Data



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).