

For Research Use Only

OTUD1 Polyclonal antibody

Catalog Number: 29921-1-AP

2 Publications



Basic Information

Catalog Number:

29921-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31996

GenBank Accession Number:

GeneID (NCBI):

220213

UNIPROT ID:

Q5VV17

Full Name:

OTU domain containing 1

Calculated MW:

51 kDa

Observed MW:

50-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse

Cited Species:

human

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 : mouse colon tissue, A549 cells

IHC : human cervical cancer tissue, human ovary tumor tissue, mouse liver tissue

Background Information

OTUD1, OTU domain-containing protein 1, is a deubiquitinating enzyme that specifically hydrolyzes 'Lys-63'-linked polyubiquitin to monoubiquitin (PMID: 23827681). OTUD1-mediated deubiquitination prevents activation of the ribosome quality control and subsequent dissociation of ribosomes and stimulates formation of polysomes and translation (PMID: 36445135). OTUD1 is a colon-specific deubiquitinase that expressed in normal colonic epithelium goblet cells (PMID: 36910614).

Notable Publications

Author	Pubmed ID	Journal	Application
Lu Hongquan	38744338	Int J Cardiol	
Yurou Chen	38351029	Nat Commun	WB,IF

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

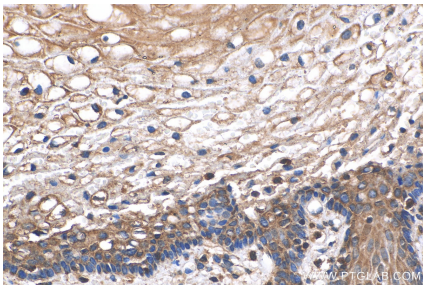
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

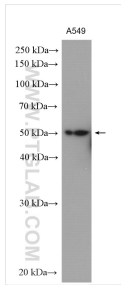
E: proteintech@ptglab.com
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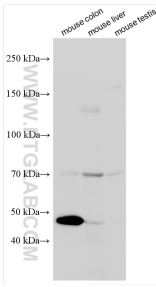
Selected Validation Data



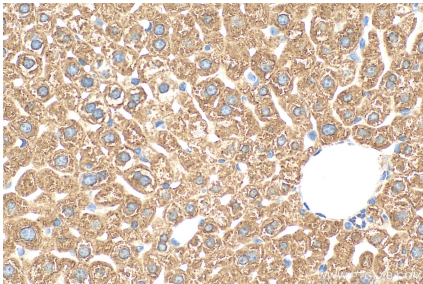
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 29921-1-AP (OTUD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



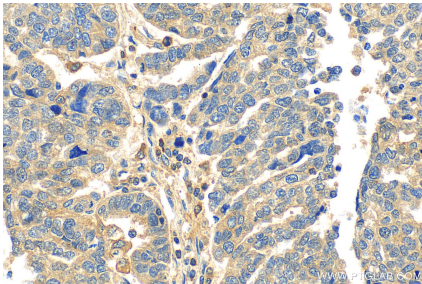
A549 cells were subjected to SDS PAGE followed by western blot with 29921-1-AP (OTUD1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



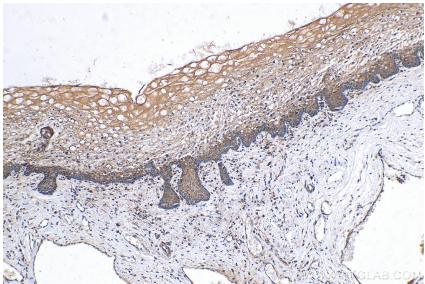
Various lysates were subjected to SDS PAGE followed by western blot with 29921-1-AP (OTUD1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 29921-1-AP (OTUD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 29921-1-AP (OTUD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 29921-1-AP (OTUD1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).