

For Research Use Only

OTUD1 Polyclonal antibody

Catalog Number: 29921-1-AP



Basic Information

Catalog Number: 29921-1-AP	GenBank Accession Number: 220213	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 µg/ml by Nanodrop;	GeneID (NCBI): 220213	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q5VV17	
Isotype: IgG	Full Name: OTU domain containing 1	
Immunogen Catalog Number: AG31996	Calculated MW: 51 kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse colon tissue, A549 cells
Species Specificity: Human, mouse	IHC : human cervical cancer tissue, human ovary tumor tissue
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

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).

Storage

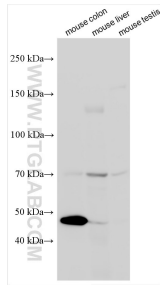
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

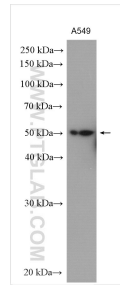
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

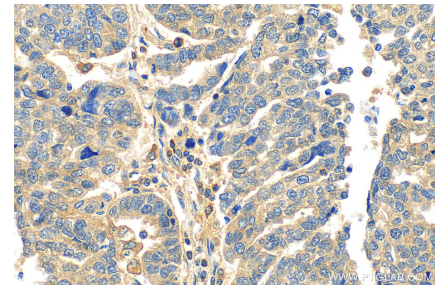
Selected Validation Data



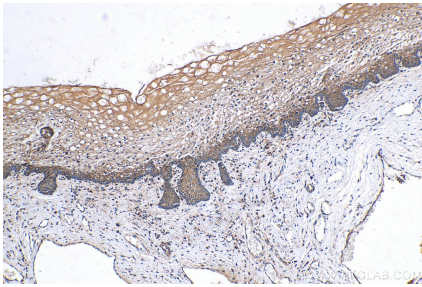
Various lysates were subjected to SDS PAGE followed by western blot with 29921-1-AP (OTUD1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



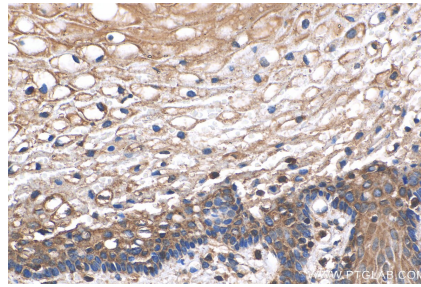
A549 cells were subjected to SDS PAGE followed by western blot with 29921-1-AP (OTUD1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).



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).