

For Research Use Only

# OTUD3 Polyclonal antibody

Catalog Number: 29622-1-AP



## Basic Information

<b>Catalog Number:</b> 29622-1-AP	<b>GenBank Accession Number:</b> NM_015207	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 750 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23252	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> OTU domain containing 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 45 kDa	
<b>Immunogen Catalog Number:</b> AG30425	<b>Observed MW:</b> 43 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HCT 116 cells, HT-29 cells, HepG2 cells, MCF-7 cells IHC : mouse cerebellum tissue,
<b>Species Specificity:</b> Human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

OTUD3 is a kind of deubiquitinating enzyme that hydrolyzes 'Lys-6'- and 'Lys-11'-linked polyubiquitin. It's an important regulator of energy metabolism. Glucose and fatty acids trigger its nuclear translocation by CBP-dependent acetylation. In the nucleus, deubiquitinates and stabilizes the nuclear receptor PPAR $\alpha$  regulating the expression of various genes involved in glucose and lipid metabolism and oxidative phosphorylation. The calculated MW of OTUD3 is 45 kDa, 29622-1-AP can detect the band around 43 kDa. (PubMed:23827681, 35675826).

## Storage

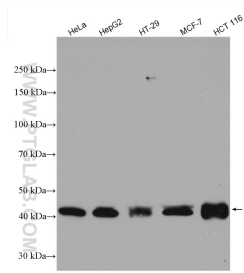
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

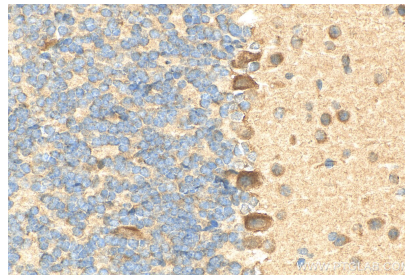
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29622-1-AP (OTUD3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 29622-1-AP (OTUD3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).