

For Research Use Only

OTUD3 Polyclonal antibody

Catalog Number: 29622-1-AP



Basic Information

Catalog Number: 29622-1-AP	GenBank Accession Number: NM_015207	Purification Method: Antigen affinity purification
Size: 750 µg/ml	GeneID (NCBI): 23252	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q5T2D3	
Isotype: IgG	Full Name: OTU domain containing 3	
Immunogen Catalog Number: AG30425	Calculated MW: 45 kDa	
	Observed MW: 43 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, mouse

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 : HeLa cells, HCT 116 cells, HT-29 cells, HepG2 cells, MCF-7 cells

IHC : mouse cerebellum tissue,

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 PPARG 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

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

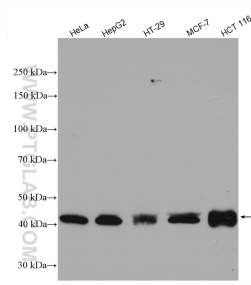
T: 4006900926

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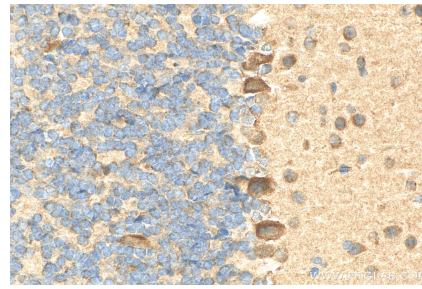
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Selected Validation Data



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).