For Research Use Only

OTUD3 Polyclonal antibody

Catalog Number:29622-1-AP

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
29622-1-AP

Size:
750 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG30425

GenBank Accession Number:
NM_015207

GeneID (NCBI):
23252

UNIPROT ID:
Q5T2D3

Full Name:
OTU domain containing 3

Calculated MW:
45 kDa

Observed MW:
43 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000
IHC 1:50-1:500

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

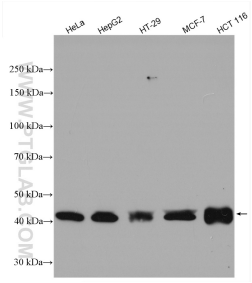
OTUD3 is a kind of deubiquitinating enzyme that hydrolyzes 'Lys-6'- and 'Lys-11'-linked polyubiquitin. It's an important regulator of energy metabolism. Glucose and fatty acids trigger its nuclear translocation by CBP-dependent acetylation. In the nucleus, deubiquitinates and stabilizes the nuclear receptor PPARD 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

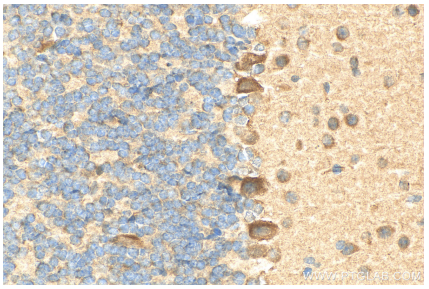
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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).