

For Research Use Only

# OTUD4 Polyclonal antibody

Catalog Number: 25070-1-AP

Featured Product

9 Publications



## Basic Information

Catalog Number:

25070-1-AP

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18401

GenBank Accession Number:

BC118653

GeneID (NCBI):

54726

UNIPROT ID:

Q01804

Full Name:

OTU domain containing 4

Calculated MW:

1113 aa, 124 kDa

Observed MW:

140-150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:250-1:1000

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse

Cited Species:

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 : Daudi cells, Raji cells

IHC : human kidney tissue,

## Background Information

OTUD4, a member of the OTU family, encodes for a protein of 495 amino acids with an OTU domain and functions via their enzymatic deubiquitinating activities. OTUD4 nominally encodes a K48-specific deubiquitinase previously shown to counteract proteasomal degradation of DNA repair proteins. OTUD4 has been identified to be down-regulated in multiple human tumor types, and lower OTUD4 expression indicates a poor prognosis.(PMID: 36411454, PMID: 32184655, PMID: 29395066)

## Notable Publications

Author	Pubmed ID	Journal	Application
Haiyan Ye	35317262	Front Microbiol	WB
Jiayu Wang	39888301	Adv Sci (Weinh)	WB
Pengcheng Wang	38945202	Cancer Lett	WB, IP, IHC, CoIP

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

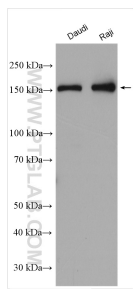
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

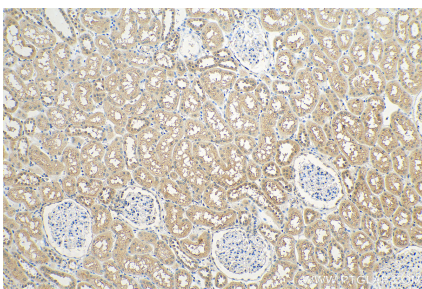
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysate were subjected to SDS PAGE followed by western blot with 25070-1-AP (OTUD4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 25070-1-AP (OTUD4 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).