

For Research Use Only

# OTUB2 Polyclonal antibody, PBS Only

Catalog Number: 12066-1-PBS

Featured Product



## Basic Information

Catalog Number:

12066-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2703

GenBank Accession Number:

BC009615

GeneID (NCBI):

78990

UNIPROT ID:

Q96DC9

Full Name:

OTU domain, ubiquitin aldehyde

binding 2

Calculated MW:

234 aa, 27 kDa

Observed MW:

27 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

OTUB2, also known as C14orf137, belongs to the OTU family. OTUB2 is a functional cysteine protease with deubiquitinase activity. OTUB2 mediates the deubiquitination of substrate proteins, and the targets of substrate proteins can be diversified. Therefore, OTUB2 has a wide range of biological roles, including protecting against virus-induced activation of interferon regulatory factor 3 (IRF3) and NF- $\kappa$ B, promoting beta cell survival in human pancreatic islets, and supporting the DNA repair pathway (PMID: 30662561, 35309903). OTUB2 is widely expressed, with high expression levels in the brain. OTUB2 has 2 isoforms with molecular weights of 9 kDa and 27 kDa.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

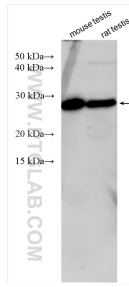
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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 12066-1-AP (OTUB2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12066-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using OTUB2 antibody (12066-1-AP) at dilution of 1:400 and Multi-rAb CoraLite Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red). This data was developed using the same antibody clone with 12066-1-PBS in a different storage buffer formulation.