

For Research Use Only

# OTUB2 Polyclonal antibody, PBS Only

Catalog Number: 12066-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

12066-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**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.

**Storage Buffer:**

PBS Only

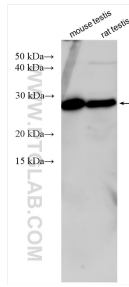
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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## 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.