

For Research Use Only

# USP12 Polyclonal antibody

Catalog Number: 12608-1-AP

Featured Product

2 Publications



## Basic Information

**Catalog Number:**

12608-1-AP

**Size:**

700 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3309

**GenBank Accession Number:**

BC026072

**GeneID (NCBI):**

219333

**UNIPROT ID:**

O75317

**Full Name:**

ubiquitin specific peptidase 12

**Calculated MW:**

370 aa, 43 kDa

**Observed MW:**

38 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**Positive Controls:**

WB : HEK-293 cells, mouse kidney tissue, rat kidney tissue

## Background Information

Ubiquitin-specific peptidase 12 (USP12) belongs to the ubiquitin-specific protease (USP) family of deubiquitinases that are critical for ubiquitin signaling and protein quality control. USPs function as cysteine proteases to trim or remove ubiquitin conjugates from selected substrates. Deubiquitination is important for ubiquitin signaling-mediated processes, such as regulation of protein levels or activity. Depletion of USP12 suppressed cell growth and clonogenicity and inhibited autophagy (PMID: 30266909 34997217 35898171).

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhongxia Yu	29138248	J Exp Med	WB
Peng Zhang	38605077	Cell Death Discov	WB

## 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:

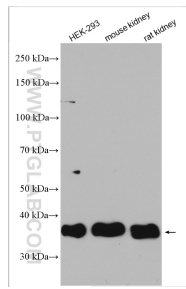
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

**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 12608-1-AP (USP12 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.