

For Research Use Only

# USE1 Polyclonal antibody

Catalog Number: 25218-1-AP

Featured Product

2 Publications



## Basic Information

**Catalog Number:**

25218-1-AP

**Size:**

700 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG18587

**GenBank Accession Number:**

BC008455

**GeneID (NCBI):**

55850

**UNIPROT ID:**

Q9NZ43

**Full Name:**

unconventional SNARE in the ER 1 homolog (S. cerevisiae)

**Calculated MW:**

259 aa, 29 kDa

**Observed MW:**

29 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:200-1:1000

IHC 1:100-1:400

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human

**Cited Species:**

human

**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 : HEK-293 cells, Jurkat cells

IHC : human small intestine tissue,

## Background Information

USE1 (Vesicle transport protein USE1) is also named as USE1L, p31 and belongs to the USE1 family. It may be an essential molecule involved in the maintenance of ER morphology (and its deficiency leads to ER stress-induced apoptosis). USE1 also participates in the degradative function of lysosomes. This protein has 3 isoforms produced by alternative splicing.

## Notable Publications

| Author             | Pubmed ID | Journal     | Application |
|--------------------|-----------|-------------|-------------|
| Javier Coy-Vergara | 31182645  | J Cell Sci  | WB          |
| Yaqing Liu         | 36480520  | PLoS Pathog | 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:

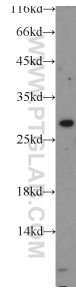
T: 4006900926

E: Proteintech-CN@ptglab.com

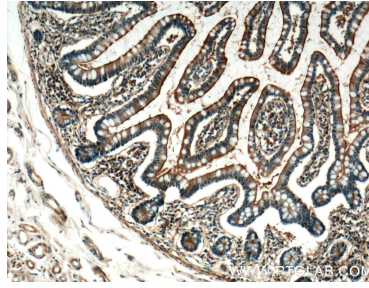
W: ptgcn.com

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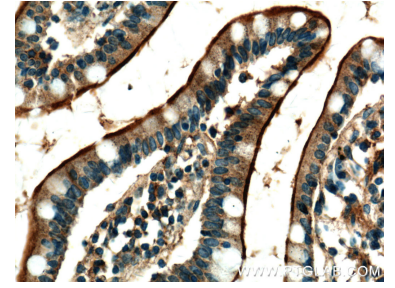
## Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 25218-1-AP (USE1 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 25218-1-AP (USE1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 25218-1-AP (USE1 Antibody) at dilution of 1:200 (under 40x lens).