



## Rabbit Anti-USE1 antibody

SL12305R

<b>Product Name:</b>	USE1
<b>Chinese Name:</b>	囊泡TransporterUse1抗体
<b>Alias:</b>	2010315L10Rik; 5730403H22Rik; AV002165; D12; Ed2; Embryonic development factor 2; MDS032; P31; Protein D12; Protein p31; putative MAPK activating protein PM26; Putative MAPK-activating protein PM26; Q-snare; RGD1306660; SLT1; SNARE-like tail-anchored protein 1 homolog; Unconventional SNARE in the ER 1 homolog (S. cerevisiae); Unconventional SNARE in the ER 1 homolog; Use1; USE1 like protein; Use1 unconventional SNARE in the ER 1 homolog (S. cerevisiae); USE1-like protein; USE1 HUMAN; USE1L; Vesicle transport protein USE1.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	29kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human USE1:151-259/259
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 癆 for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20癆. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 癆.
<b>PubMed:</b>	<a href="#">PubMed</a>

In eukaryotic cells, the Golgi apparatus receives newly synthesized proteins from the endoplasmic reticulum (ER) and, after covalent modification, delivers them to their destination in the cell. For membrane-directed proteins this process is believed to be carried out via vesicular transport. Correct vesicular transport is determined by specific pairing of vesicle-associated SNAREs (v-SNAREs) with those on the target membrane (t-SNAREs). Unconventional SNARE in the ER 1, also known as USE1 or protein p31, is a 259 amino acid t-SNARE that forms a larger complex with ZW10, RINT-1 and Syntaxin 18. Upon Mg<sup>2+</sup>-AP treatment in the presence of NSF and ?SNAP, ZW10, RINT-1 and USE1 dissociate from Syntaxin 18. USE1 is a single-pass type IV membrane protein that is localized to the endoplasmic reticulum membrane. Three named isoforms exist for USE1 as a result of alternative splicing events.

**Function:**

SNARE that may be involved in targeting and fusion of Golgi-derived retrograde transport vesicles with the ER.

**Subunit:**

Component of a SNARE complex consisting of STX18, USE1L, BNIP1/SEC20L and SEC22B. Interacts directly with STX18.

**Subcellular Location:**

Endoplasmic reticulum membrane.

**Similarity:**

Belongs to the USE1 family.

**SWISS:**

Q9NZ43

**Gene ID:**

55850

**Database links:**

[Entrez Gene: 512890](#)Cow

[Entrez Gene: 55850](#)Human

[Entrez Gene: 67023](#)Mouse

[Entrez Gene: 290627](#)Rat

[Omim: 610675](#)Human

[SwissProt: Q9NZ43](#)Human

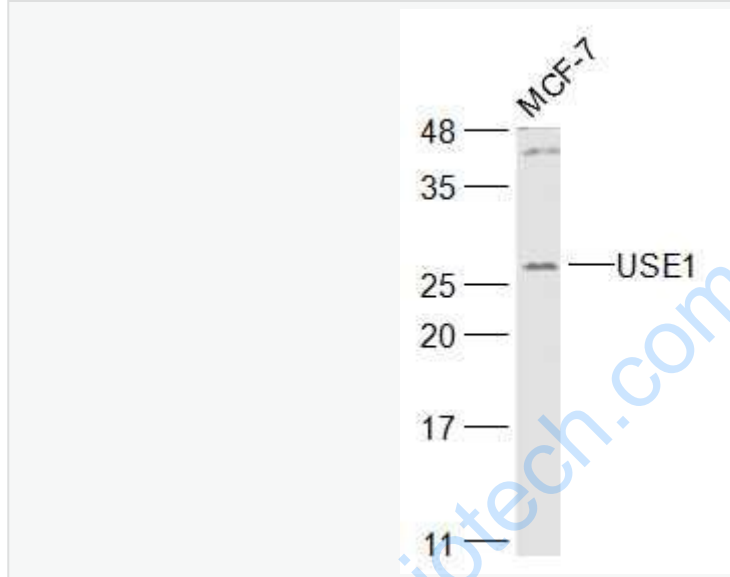
[SwissProt: Q9CQ56](#)Mouse

**Product Detail:**

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Sample:

MCF-7(Human) Cell Lysate at 30 ug

Primary: Anti-USE1 (SL12305R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 29 kD

Observed band size: 28 kD