



Rabbit Anti-Vesicle docking protein p115 antibody

SL4258R

Product Name:	Vesicle docking protein p115
Chinese Name:	囊泡对接蛋白p115抗体
Alias:	P115-RhoGEF General vesicular transport factor; General vesicular transport factor p115; P115; TAP; Transcytosis associated protein; VDP; Vesicle docking protein; USO1 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	108kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Vesicle docking protein p115:501-600/962
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C 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°C. 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 °C.
PubMed:	PubMed
Product Detail:	p115 (Vesicle docking protein p115) is a peripheral membrane protein that is located on the Golgi complex. p115 exists as a homodimer with two globular heads, an extended coiled-coil tail, followed by an acidic domain at the extreme C terminus. p115 is homologous to a yeast protein, Uso1p, which is required for ER to Golgi transport. p115

likely plays an important role in vesicle transportation from the ER to the cis-Golgi compartments.

Function:

General vesicular transport factor required for intercisternal transport in the Golgi stack; it is required for transcytotic fusion and/or subsequent binding of the vesicles to the target membrane. May well act as a vesicular anchor by interacting with the target membrane and holding the vesicular and target membranes in proximity.

Subunit:

Homodimer. Dimerizes by parallel association of the tails, resulting in an elongated structure with two globular head domains side by side, and a long rod-like tail structure (Probable). Interacts with MIF.

Subcellular Location:

Cytoplasm; cytosol. Golgi apparatus membrane. Recycles between the cytosol and the Golgi apparatus during interphase. During interphase, the phosphorylated form is found exclusively in cytosol; the unphosphorylated form is associated with Golgi apparatus membranes.

Post-translational modifications:

Phosphorylated in a cell cycle-specific manner; phosphorylated in interphase but not in mitotic cells. Dephosphorylated protein associates with the Golgi membrane; phosphorylation promotes dissociation.

Similarity:

Belongs to the VDP/USO1/EDE1 family.
Contains 10 ARM repeats.

SWISS:

O60763

Gene ID:

8615

Database links:

[Entrez Gene: 317724](#)Cow

[Entrez Gene: 8615](#)Human

[Entrez Gene: 56041](#)Mouse

[Entrez Gene: 56042](#)Rat

[Omim: 603344](#)Human

[SwissProt: P41541](#)Cow

[SwissProt: O60763](#)Human

[SwissProt: Q9Z1Z0](#)Mouse

[SwissProt: P41542](#)Rat

[Unigene: 292689](#)Human

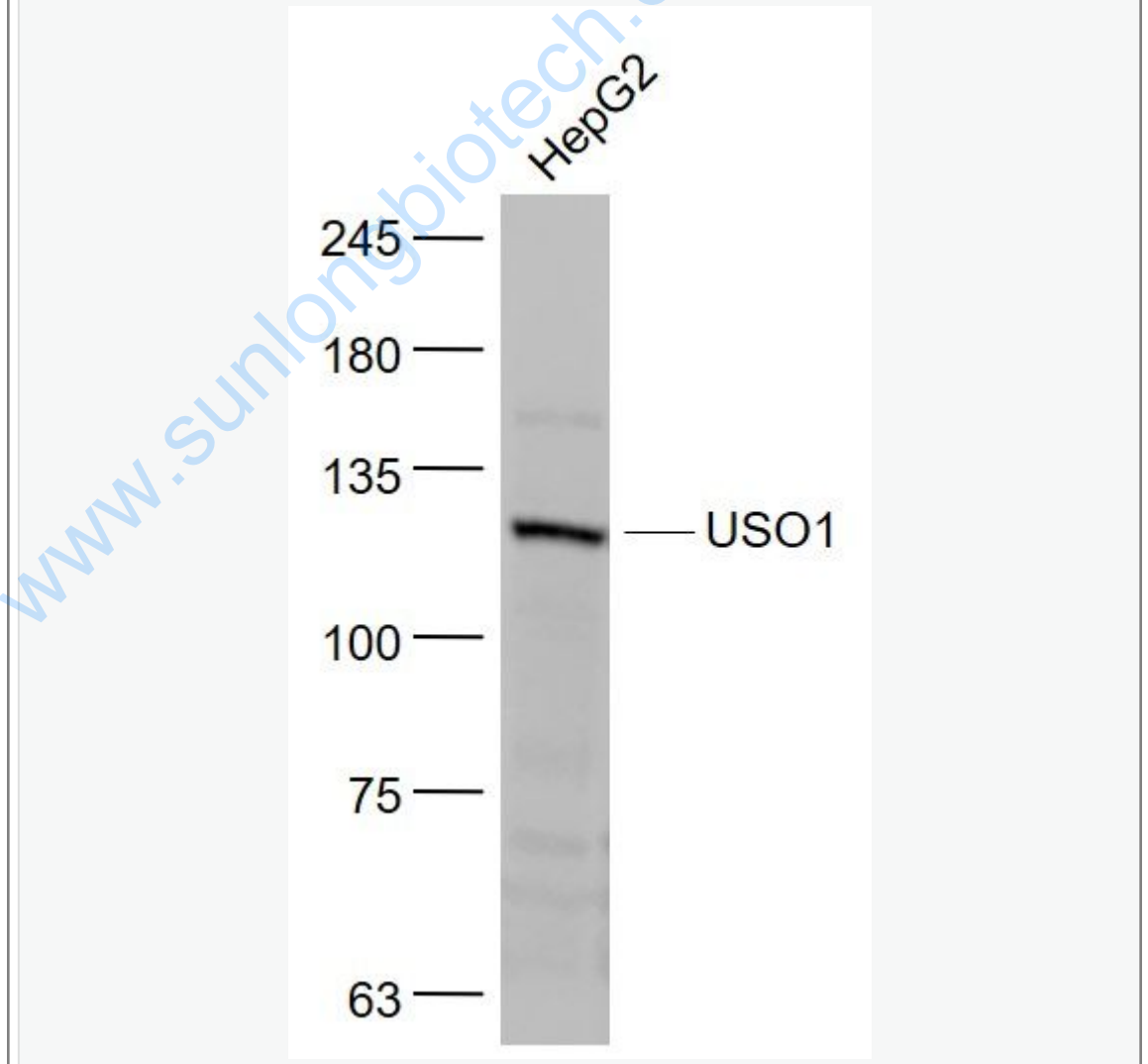
[Unigene: 15868](#)Mouse

[Unigene: 4746](#)Rat

Important Note:

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

Picture:



Sample:

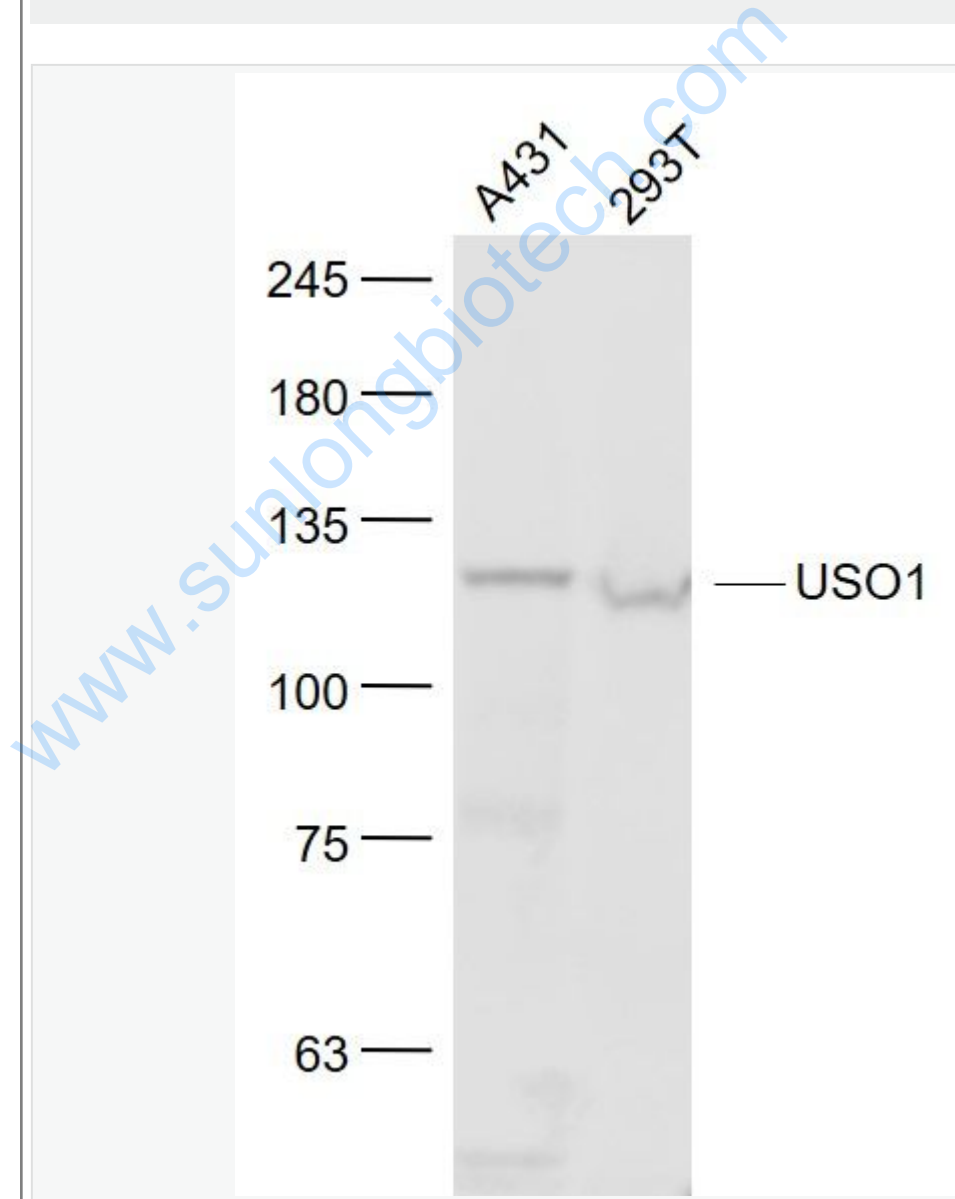
HepG2(Human) Cell Lysate at 30 ug

Primary: Anti- USO1 (SL4258R) at 1/1000 dilution

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

Predicted band size: 108 kD

Observed band size: 120 kD



Sample:

A431(Human) Cell Lysate at 30 ug

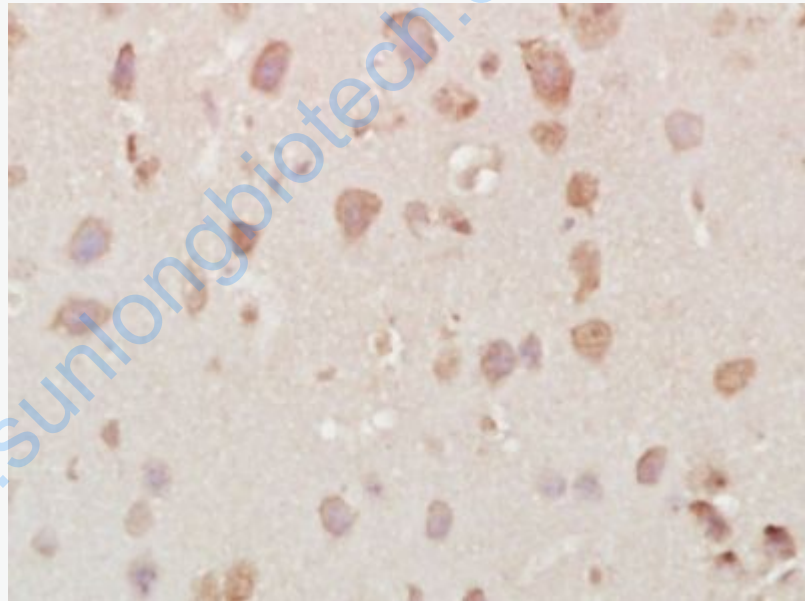
293T(Human) Cell Lysate at 30 ug

Primary: Anti- USO1 (SL4258R) at 1/1000 dilution

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

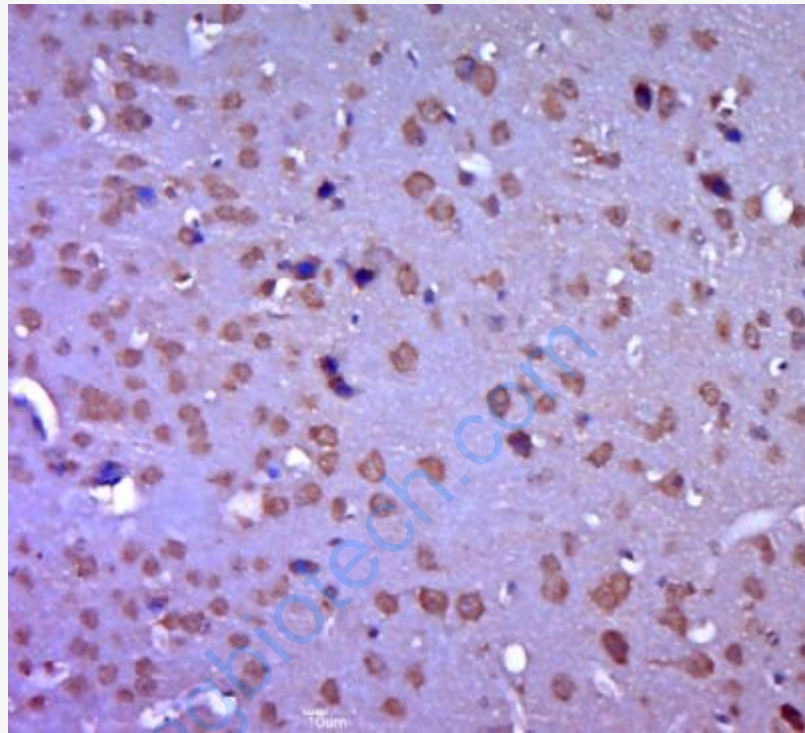
Predicted band size: 108 kD

Observed band size: 120 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Vesicle docking protein p115) Polyclonal Antibody, Unconjugated (SL4258R) at 1:400 overnight at 4°C, followed by

operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Vesicle docking protein p115) Polyclonal Antibody, Unconjugated (SL4258R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.