

### KD-Validated Anti-USO1 Vesicle Transport Factor Rabbit Monoclonal Antibody

Rabbit monoclonal antibody Catalog # AGI1760

### Specification

# **KD-Validated Anti-USO1 Vesicle Transport Factor Rabbit Monoclonal Antibody - Product Information**

Application Primary Accession Reactivity Clonality Isotype Calculated MW	WB, FC, ICC <u>O60763</u> Rat, Human, Mouse Monoclonal Rabbit IgG Predicted, 108 kDa , observed , 108 kDa KDa
Gene Name Aliases	USO1 USO1; USO1 Vesicle Transport Factor; TAP; VDP; P115; General Vesicular Transport Factor P115; Transcytosis Associated Protein; USO1 Homolog, Vesicle Docking Protein (Yeast); USO1 Vesicle Docking Protein Homolog (Yeast); USO1 Vesicle Docking Protein Homolog; Transcytosis-Associated Protein; Vesicle Docking Protein P115; Vesicle Docking Protein; Vesicle-Docking Protein; Protein
Immunogen	A synthesized peptide derived from human USO1

### KD-Validated Anti-USO1 Vesicle Transport Factor Rabbit Monoclonal Antibody - Additional Information

Gene ID 8615 Other Names General vesicular transport factor p115, Protein USO1 homolog, Transcytosis-associated protein, TAP, Vesicle-docking protein, USO1, VDP

## **KD-Validated Anti-USO1 Vesicle Transport Factor Rabbit Monoclonal Antibody - Protein Information**

Name USO1

Synonyms VDP

#### 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.

**Cellular Location** 

Cytoplasm, cytosol. Golgi apparatus membrane; Peripheral membrane protein. Note=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

#### **KD-Validated Anti-USO1 Vesicle Transport Factor Rabbit Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

### KD-Validated Anti-USO1 Vesicle Transport Factor Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-USO1 antibody (Cat#AGI1760). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-USO1 antibody (Cat#AGI1760, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.





Western blotting analysis using anti-USO1 antibody (Cat#AGI1760). USO1 expression in wild type (WT) and USO1 shRNA knockdown (KD) HeLa cells with 20  $\mu$ g of total cell lysates.  $\beta$ -Tubulin serves as a loading control. The blot was incubated with anti-USO1 antibody (Cat#AGI1760, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of USO1 expression in HepG2 cells using anti-USO1 antibody (Cat#AGI1760, 1:2,000). Green, isotype control; red, USO1.



Immunocytochemical staining of HepG2 cells with anti-USO1 antibody (Cat#AGI1760, 1:1,000). Nuclei were stained blue with DAPI; USO1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.