

**Goat Anti-VDP p115 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2144a****Specification**

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**Goat Anti-VDP p115 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">O60763</a>
Other Accession	<a href="#">NP_003706</a> , <a href="#">8615</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	107895

**Goat Anti-VDP p115 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

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-VDP p115 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-VDP p115 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

#### Goat Anti-VDP p115 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Goat Anti-VDP p115 Antibody - Images



AF2144a (0.3 µg/ml) staining of K562 cell lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### Goat Anti-VDP p115 Antibody - Background

The protein encoded by this gene is a peripheral membrane protein which recycles between the cytosol and the Golgi apparatus during interphase. It is regulated by phosphorylation: dephosphorylated protein associates with the Golgi membrane and dissociates from the membrane upon phosphorylation. Ras-associated protein 1 recruits this protein to coat protein complex II (COPII) vesicles during budding from the endoplasmic reticulum, where it interacts with a set of COPII vesicle-associated SNAREs to form a cis-SNARE complex that promotes targeting to the Golgi apparatus. Transport from the ER to the cis/medial Golgi compartments requires the action of this gene product, GM130 and giantin in a sequential manner.

#### Goat Anti-VDP p115 Antibody - References

The Golgi-associated protein p115 mediates the secretion of macrophage migration inhibitory factor. Merk M, et al. J Immunol, 2009 Jun 1. PMID 19454686.

Unusual armadillo fold in the human general vesicular transport factor p115. Striegl H, et al. PLoS One, 2009. PMID 19247479.

Nuclear import is required for the pro-apoptotic function of the Golgi protein p115. Mukherjee S, et al. J Biol Chem, 2009 Jan 16. PMID 19028683.

Coat-tether interaction in Golgi organization. Guo Y, et al. Mol Biol Cell, 2008 Jul. PMID 18434597.

Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.