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Goat Anti-VDP p115 Antibody

Peptide-affinity purified goat antibody
Catalog # AF2144a

Specification

Goat Anti-VDP p115 Antibody - Product Information

Application	**WB**
Primary Accession	O60763
Other Accession	NP_003706, 8615
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

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 Cytomety
- 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.
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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.