

## Product datasheet for **TA358744**

### Vesicle docking protein p115 (USO1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	<b>Expected reactivity:</b> Dog, Horse, Human, Pig, Rat <b>Homology:</b> Dog: 92%; Horse: 79%; Human: 100%; Pig: 77%; Rat: 79%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	108kDa
Gene Name:	USO1 vesicle transport factor
Database Link:	<a href="#">NP_003706</a> <a href="#">Entrez Gene 8615 Human</a> <a href="#">O60763</a>



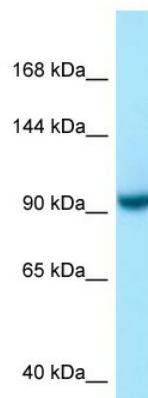
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**Background:**

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.

**Synonyms:**

P115; TAP; VDP

**Product images:**

WB Suggested Anti-USO1 Antibody

Titration: 1.0 ug/ml

Positive Control: 293T Whole CellUSO1 is strongly supported by BioGPS gene expression data to be expressed in Human HEK293T cells