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Datasheet for ABIN657956 anti-USO1 antibody (C-Term)

2 Images

1 Publication



Overview

Quantity:	400 µL
Target:	US01
Binding Specificity:	AA 932-960, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This US01 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 932-960 amino acids from the C-terminal region of human USO1.
Clone:	RB34073
lsotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	US01
Alternative Name:	US01 (US01 Products)
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

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Target Details

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.

Molecular Weight:	107895
Gene ID:	8615
NCBI Accession:	NP_003706
UniProt:	060763

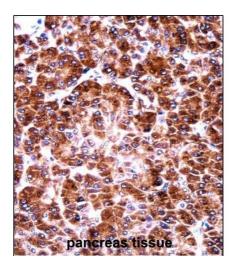
Application Details

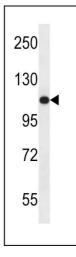
Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	USO1 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months
Publications	
Product cited in:	Fujiwara, Usui, Ohama, Sato: "Regulation of Beclin 1 Protein Phosphorylation and Autophagy by
	Protein Phosphatase 2A (PP2A) and Death-associated Protein Kinase 3 (DAPK3)." in: The
	Journal of biological chemistry, Vol. 291, Issue 20, pp. 10858-66, (2016) (PubMed).

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Immunohistochemistry (Paraffin-embedded Sections)

Image 1. USO1 Antibody (C-term) ((ABIN657956 and ABIN2846901))immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of USO1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. USO1 Antibody (C-term) (ABIN657956 and ABIN2846901) western blot analysis in ZR-75-1 cell line lysates ($35 \mu g$ /lane).This demonstrates the USO1 antibody detected the USO1 protein (arrow).

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