


Product datasheet

Anti-USO1 antibody [EPR2140Y] ab68137

Recombinant RabMAb

[1 References](#) [2 Images](#)

Overview

Product name	Anti-USO1 antibody [EPR2140Y]
Description	Rabbit monoclonal [EPR2140Y] to USO1
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF or IHC-P
Species reactivity	Reacts with: Human, African green monkey Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human USO1 aa 1-100 (N terminal). The exact sequence is proprietary.
Positive control	WB: HeLa cell lysate; 293T cell lysate; HepG2 cell lysate; Cos cell lysate
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR2140Y

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab68137 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/5000. Detects a band of approximately 108 kDa (predicted molecular weight: 108 kDa).

Application notes

Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

Target

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.

Sequence similarities

Belongs to the VDP/USO1/EDE1 family.
Contains 10 ARM repeats.

Domain

Composed of a globular head, an elongated tail (coiled-coil) and a highly acidic C-terminal domain.

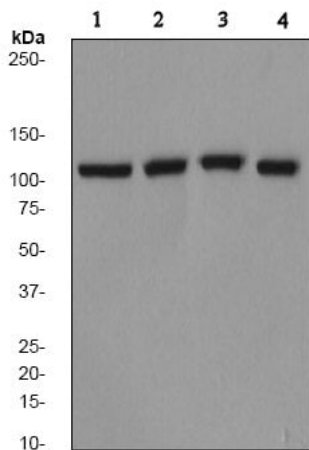
Post-translational modifications

Phosphorylated in a cell cycle-specific manner; phosphorylated in interphase but not in mitotic cells. Dephosphorylated protein associates with the Golgi membrane; phosphorylation promotes dissociation.

Cellular localization

Cytoplasm > cytosol. Golgi apparatus membrane. 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.

Images



Western blot - Anti-USO1 antibody [EPR2140Y] (ab68137)

All lanes : Anti-USO1 antibody [EPR2140Y] (ab68137) at 1/500 dilution

Lane 1 : HeLa cell lysate

Lane 2 : 293T cell lysate

Lane 3 : HepG2 cell lysate

Lane 4 : Cos cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP-labeled goat anti-rabbit at 1/2000 dilution

Predicted band size: 108 kDa

Observed band size: 108 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-USO1 antibody [EPR2140Y] (ab68137)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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