abcam

Product datasheet

HRP Anti-VPS35 antibody [EPR11501(B)] ab215340

KO VALIDATED Recombinant RabMAb

3 Images

Overview

Product name	HRP Anti-VPS35 antibody [EPR11501(B)]
Description	HRP Rabbit monoclonal [EPR11501(B)] to VPS35
Host species	Rabbit
Conjugation	HRP
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HepG2, A549, MOLT4, NIH3T3, Hap1 WT (shows pos.) and Hap1 VPS35 KO (shows neg.)
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 1% BSA, 30% Glycerol (glycerin, glycerine), PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR11501(B)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab215340 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		1/5000. Detects a band of approximately 92 kDa (predicted molecular weight: 92 kDa).

Target

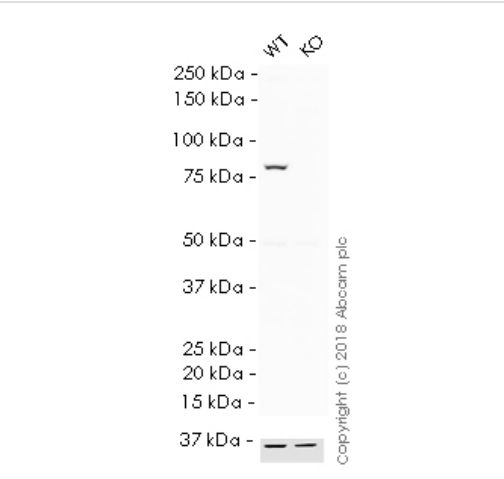
Function Essential component of the retromer complex, a complex required to retrieve lysosomal enzyme receptors (IGF2R and M6PR) from endosomes to the trans-Golgi network. Also required to regulate transcytosis of the polymeric immunoglobulin receptor (pIgR-pIgA).

Tissue specificity Ubiquitous. Highly expressed in heart, brain, placenta, skeletal muscle, spleen, thymus, testis, ovary, small intestine, kidney and colon.

Sequence similarities Belongs to the VPS35 family.

Cellular localization Cytoplasm. Membrane.

Images



Western blot - HRP Anti-VPS35 antibody [EPR11501(B)] (ab215340)

All lanes : HRP Anti-VPS35 antibody [EPR11501(B)] (ab215340) at 1/5000 dilution

Lane 1 : Wild-type HAP1 whole cell lysate
Lane 2 : VPS35 knockout HAP1 whole cell lysate

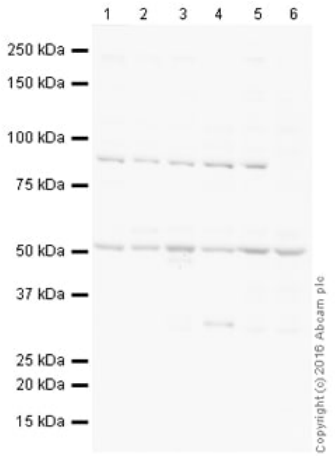
Lysates/proteins at 20 µg per lane.

Predicted band size: 92 kDa

Exposure time: 1 minute

ab215340 was shown to recognize VPS35 in wild-type HAP1 cells as signal was lost at the expected MW in VPS35 knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and VPS35 knockout samples were subjected to SDS-PAGE. Ab215340 and **ab184095** (Mouse monoclonal [mAbcam 9484] to GAPDH - Loading Control (Alexa Fluor® 680) loading control) were incubated overnight at 4°C at

1/5000 dilution and 1/20000 dilution respectively. The loading control was imaged using the Licor Odyssey CLx prior to blots being developed with ECL technique.



Western blot - HRP Anti-VPS35 antibody [EPR11501(B)] (ab215340)

All lanes : HRP Anti-VPS35 antibody [EPR11501(B)] (ab215340) at 1/5000 dilution

Lane 1 : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate at 10 µg
Lane 2 : A549 (Human lung adenocarcinoma epithelial cell line) Whole Cell Lysate at 10 µg
Lane 3 : MOLT4 (Human acute lymphoblastic leukemia cell line) Whole Cell Lysate at 10 µg
Lane 4 : NIH 3T3 (Mouse embryonic fibroblast cell line) Whole Cell Lysate at 10 µg
Lane 5 : HAP1 WT at 20 µg
Lane 6 : VPS35 knockout HAP1 at 20 µg

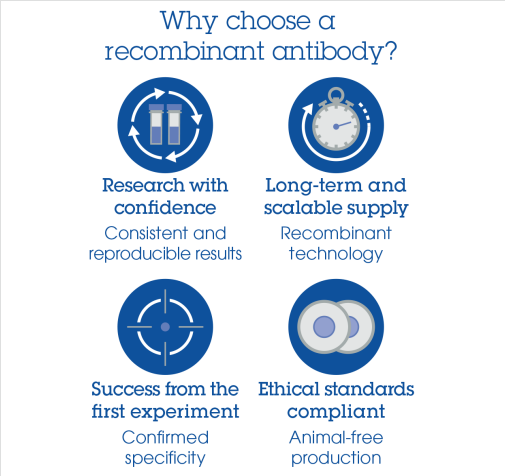
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 92 kDa
Observed band size: 92 kDa

Exposure time: 20 seconds

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab215340 overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**.



HRP Anti-VPS35 antibody [EPR11501(B)]

(ab215340)

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