


Product datasheet

Anti-VPS26 antibody [EPR13455(B)] - N-terminal ab180172

KO **VALIDATED** **Recombinant** **RabMAb**

3 Images

Overview

Product name	Anti-VPS26 antibody [EPR13455(B)] - N-terminal
Description	Rabbit monoclonal [EPR13455(B)] to VPS26 - N-terminal
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human VPS26 aa 1-100 (N terminal) (Cysteine residue). The exact sequence is proprietary. Database link: O75436
Positive control	WB: HepG2, HeLa and 293T cell lysates.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR13455(B)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab180172 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 - 1/10000. Predicted molecular weight: 38 kDa.

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

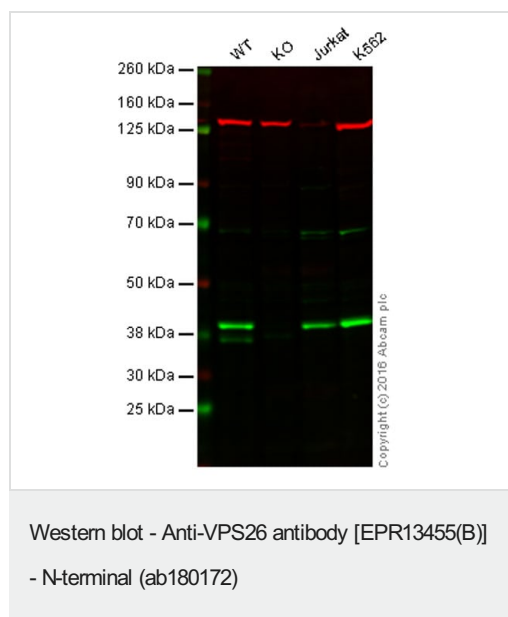
Target

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).

Sequence similarities Belongs to the VPS26 family.

Cellular localization Cytoplasm. Endosome membrane.

Images



Lane 1: Wild-type HAP1 cell lysate (20 µg)

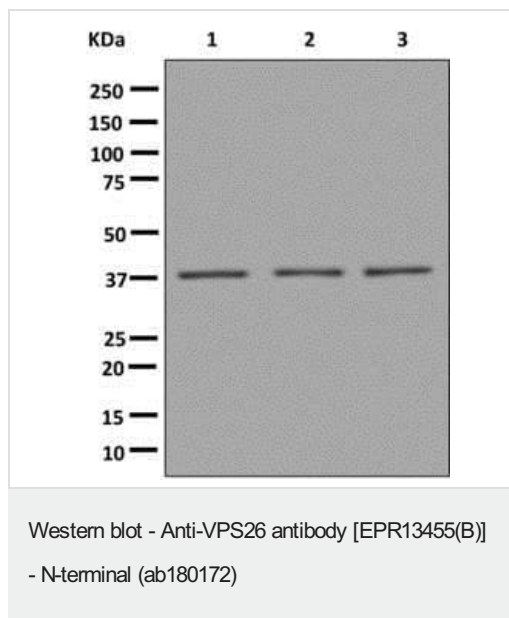
Lane 2: VPS26 knockout HAP1 cell lysate (20 µg)

Lane 3: Jurkat cell lysate (20 µg)

Lane 4: K562 cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - ab180172 observed at 40 kDa. Red - loading control, **ab18058**, observed at 124 kDa.

ab180172 was shown to specifically react with VPS26 when VPS26 knockout samples were used. Wild-type and VPS26 knockout samples were subjected to SDS-PAGE. ab180172 and **ab18058** (loading control to Vinculin) were diluted 1/1000 and 1/10000 respectively and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed **ab216776** secondary antibodies at 1/10 000 dilution for 1 hour at room temperature before imaging.



All lanes : Anti-VPS26 antibody [EPR13455(B)] - N-terminal (ab180172) at 1/1000 dilution

Lane 1 : HepG2 cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : 293T cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

Developed using the ECL technique.

Predicted band size: 38 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-VPS26 antibody [EPR13455(B)] - N-terminal (ab180172)

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

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