

Product datasheet

Anti-LRP6 (phospho S1490) + LRP5 (phospho S1503) antibody [EP2360Y] ab76417

Recombinant RabMAb

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Overview

Product name	Anti-LRP6 (phospho S1490) + LRP5 (phospho S1503) antibody [EP2360Y]
Description	Rabbit monoclonal [EP2360Y] to LRP6 (phospho S1490) + LRP5 (phospho S1503)
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HeLa cell lysates treated with Calyculin, 293T transfected with LRP6 and LRP5 overexpression vector whole cell lysates.
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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EP2360Y
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab76417 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		1/500 - 1/10000. Predicted molecular weight: 179 kDa.

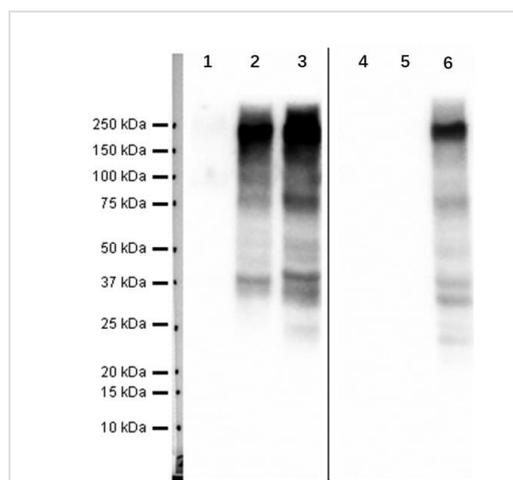
Application notes Is unsuitable for ICC/IF.

Target

Cellular localization

LRP6: Membrane. Endoplasmic reticulum. On Wnt signaling, undergoes a cycle of caveolin- or clathrin-mediated endocytosis and plasma membrane location. Released from the endoplasmic reticulum on palmitoylation. Mono-ubiquitination retains it in the endoplasmic reticulum in the absence of palmitoylation. On Wnt signaling, phosphorylated, aggregates and colocalizes with AXIN1 and GSK3B at the plasma membrane in LRP6-signalsomes. Chaperoned to the plasma membrane by MESD. LRP5: Membrane. Endoplasmic reticulum. Chaperoned to the plasma membrane by MESD.

Images



Western blot - Anti-LRP6 (phospho S1490) + LRP5 (phospho S1503) antibody [EP2360Y] (ab76417)

Lanes 1-3 : Anti-LRP6 (phospho S1490) + LRP5 (phospho S1503) antibody [EP2360Y] (ab76417) at 1/10000 dilution

Lanes 4-6 : Anti-LRP5 antibody [EPR22477-218] (**ab223203**) at 1/10000 dilution

Lanes 1 & 4 : 293T transfected with blank vector whole cell lysate

Lanes 2 & 5 : 293T transfected with LRP6 overexpression vector whole cell lysate

Lanes 3 & 6 : 293T transfected with LRP5 overexpression vector whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

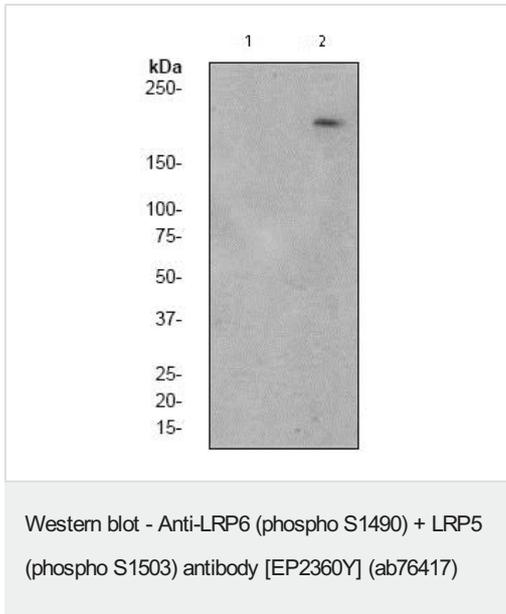
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 179 kDa

Observed band size: 180 kDa

Exposure time: 180 seconds

Blocking and dilution buffer: 5%NFDM/TBST.



All lanes : Anti-LRP6 (phospho S1490) + LRP5 (phospho S1503) antibody [EP2360Y] (ab76417) at 1/1000 dilution

Lane 1 : HeLa cell lysates, untreated

Lane 2 : HeLa cell lysates treated with Calyculin

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 179 kDa

Observed band size: 210 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-LRP6 (phospho S1490) + LRP5 (phospho S1503) antibody [EP2360Y] (ab76417)

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

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