

Product datasheet

Anti-LRP1 antibody - C-terminal ab227734

1 Image

Overview

Product name	Anti-LRP1 antibody - C-terminal
Description	Rabbit polyclonal to LRP1 - C-terminal
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Chicken 
Immunogen	Recombinant fragment within Human LRP1 (C terminal). The exact sequence is proprietary. 85kDa subunit. Database link: Q07954
Positive control	WB: HeLa whole cell extract.

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: 7.00 Preservative: 0.025% Proclin Constituents: PBS, 20% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab227734** 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 - 1/3000.

Target

Function

Endocytic receptor involved in endocytosis and in phagocytosis of apoptotic cells. Required for early embryonic development. Involved in cellular lipid homeostasis. Involved in the plasma clearance of chylomicron remnants and activated LRPAP1 (alpha 2-macroglobulin), as well as the local metabolism of complexes between plasminogen activators and their endogenous inhibitors. May modulate cellular events, such as APP metabolism, kinase-dependent intracellular signaling, neuronal calcium signaling as well as neurotransmission. Functions as a receptor for *Pseudomonas aeruginosa* exotoxin A.

Tissue specificity

Most abundant in liver, brain and lung.

Sequence similarities

Belongs to the LDLR family.
Contains 22 EGF-like domains.
Contains 31 LDL-receptor class A domains.
Contains 34 LDL-receptor class B repeats.

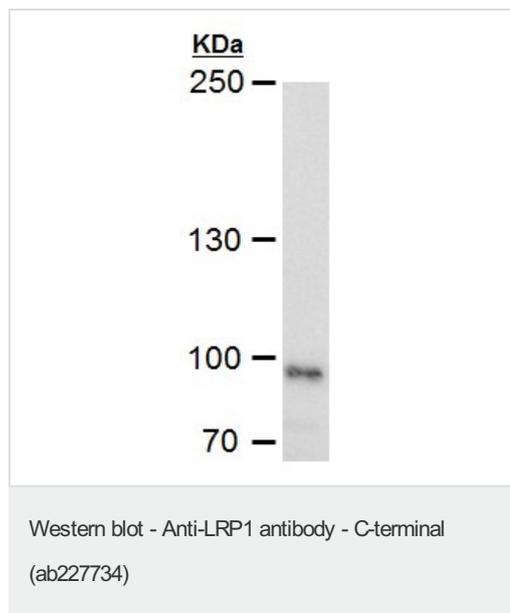
Post-translational modifications

Cleaved into a 85 kDa membrane-spanning subunit (LRP-85) and a 515 kDa large extracellular domain (LRP-515) that remains non-covalently associated. Gamma-secretase-dependent cleavage of LRP-85 releases the intracellular domain from the membrane. The N-terminus is blocked. Phosphorylated on serine and threonine residues. Phosphorylated on tyrosine residues upon stimulation with PDGF. Tyrosine phosphorylation promotes interaction with SHC1.

Cellular localization

Cytoplasm. Nucleus. After cleavage, the intracellular domain (LRPICD) is detected both in the cytoplasm and in the nucleus and Cell membrane. Membrane, coated pit.

Images



Anti-LRP1 antibody - C-terminal (ab227734) at 1/1000 dilution + HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell extract at 30 μ g

5% SDS-PAGE gel.

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