

Product datasheet

Anti-LRP4 antibody ab230188

2 Images

Overview

Product name	Anti-LRP4 antibody
Description	Rabbit polyclonal to LRP4
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment corresponding to Human LRP4 aa 1500-1725. Sequence: NLDGSEKVLINTDLGWPNGLTLDYDTRRIMWVDAHLD RIESADLNGKLR QVLVSHVSHPFALTQQDRWIYWTDWQTKSIQRVDKYS GRNKETVLANVEG LMDIIVVSPQRQTGTNACGVNNGGCTHLCFARASDFV CACPDEPDSRPCS LVPGLVPPAPRATGMSEKSPVLPNTPTTLYSSTRTR TSLEEVEGRCSE RDARLGLCARSNDAVPAAPGEGGLHIS Database link: O75096  Run BLAST with  Run BLAST with
Positive control	WB: PC-3 whole cell lysate. IHC-P: Human adrenal gland tissue.

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: 7.30 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal

Isotype

IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab230188** 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 212 kDa (predicted molecular weight: 212 kDa).
IHC-P		1/20 - 1/200.

Target

Function

Potential cell surface endocytic receptor, which binds and internalizes extracellular ligands for degradation by lysosomes. Involved in the negative regulation of the canonical Wnt signaling pathway, being able to antagonize the LRP6-mediated activation of this pathway.

Tissue specificity

Expressed in several regions of the brain.

Involvement in disease

Defects in LRP4 are the cause of Cenani-Lenz syndactyly syndrome (CLSS) [MIM:212780]. It is a congenital malformation syndrome defined as complete and complex syndactyly of the hands combined with malformations of the forearm bones and similar manifestations in the lower limbs.

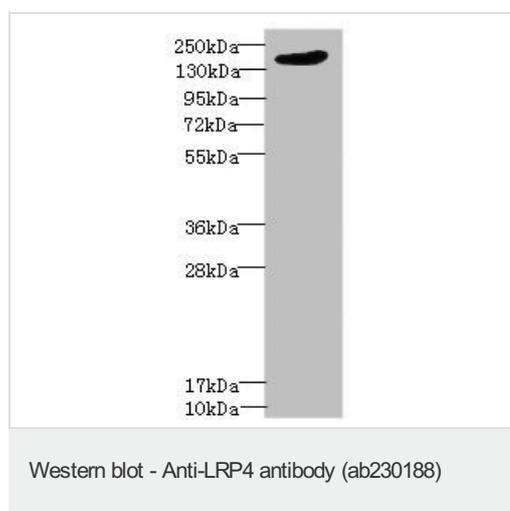
Sequence similarities

Belongs to the LDLR family.
Contains 3 EGF-like domains.
Contains 8 LDL-receptor class A domains.
Contains 20 LDL-receptor class B repeats.

Cellular localization

Membrane.

Images



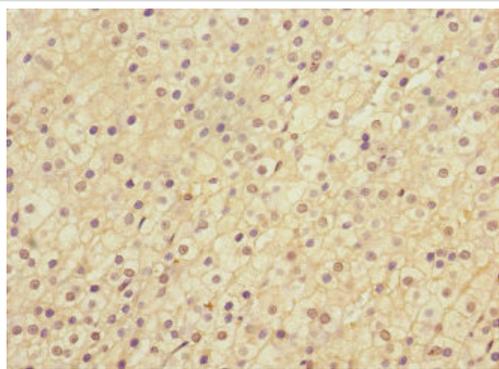
Anti-LRP4 antibody (ab230188) at 1/1000 dilution + PC-3 (human prostate adenocarcinoma cell line) whole cell lysate

Secondary

Goat antiRabbit IgG at 1/10000 dilution

Predicted band size: 212 kDa

Observed band size: 212 kDa



Paraffin-embedded human adrenal gland tissue stained for LRP4 with ab230188 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LRP4 antibody (ab230188)

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