



[Go to Product page](#)

Datasheet for ABIN3031640  
**anti-LRP5 antibody (C-Term)**

2 Images

### Overview

Quantity:	100 µg
Target:	LRP5
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LRP5 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	An amino acid sequence from the C-terminus of human Low-density lipoprotein receptor-related protein 5 (IHAVEEVSLLEEFSAH) was used as the immunogen for this LRP5 antibody (100% homologous in human, mouse and rat).
Isotype:	IgG
Purification:	Antigen affinity

### Target Details

Target:	LRP5
Alternative Name:	LRP5 ( <a href="#">LRP5 Products</a> )
Background:	Low-density lipoprotein receptor-related protein 5 is a protein that in humans is encoded by the LRP5 gene. LRP5 is a transmembrane low-density lipoprotein receptor that binds and

## Target Details

internalizes ligands in the process of receptor-mediated endocytosis. This protein also acts as a co-receptor with Frizzled protein family members for transducing signals by Wnt proteins and was originally cloned on the basis of its association with diabetes mellitus type 1 in humans. This protein plays a key role in skeletal homeostasis. In addition to that, the binding of Axin to LRP5 is an important part of the Wnt signal transduction pathway, and it also acts as a target for the inhibitory effects of Dickkopf, another developmental protein, on Wnt signaling.

UniProt: [O75197](#)

Pathways: [WNT Signaling](#), [Stem Cell Maintenance](#), [Positive Regulation of fat Cell Differentiation](#)

## Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the LRP5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

Storage Comment: After reconstitution, the LRP5 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



### Western Blotting

**Image 1.** Western blot testing of LRP5 antibody and Lane 1: rat liver; 2: mouse liver; 3: (m) NIH3T3 lysate



### Western Blotting

**Image 2.** Western blot testing of LRP5 antibody and Lane 1: rat liver