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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 (IHAVEEVSLEEFSAH) was used as the immunogen for this LRP5 antibody (100% homologous in human, mouse and rat).
Isotype:	lgG
Purification:	Antigen affinity

Target Details

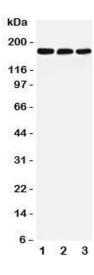
Target:	LRP5
Alternative Name:	LRP5 (LRP5 Products)
Background:	Low-density lipoprotein receptor-related protein 5 is a protein that in humans is encoded by the
	LRP5 gene. LRP5 is a transmembrane low-density lipoprotein receptor that binds and

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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:	075197
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

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Images

kDa				
200 -	_	-	-	
116 -				
97 -				
66 -				
44 -				
31 -				
22 -				
14 -				
6		2	3	

Western Blotting

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

rat liver

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