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Datasheet for ABIN681478

## anti-LRP5 antibody (AA 451-550)

2 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	LRP5
Binding Specificity:	AA 451-550
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LRP5 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human LRP6
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	LRP5
Alternative Name:	LRP5 + LRP6 ( <a href="#">LRP5 Products</a> )

## Target Details

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**Background:** Synonyms: ADCAD2, C030016K15Rik, Cd, FLJ90062, FLJ90421, Low density lipoprotein receptor related protein 6, LRP6\_HUMAN, Low-density lipoprotein receptor-related protein 6, low-density lipoprotein receptor-related protein 6 precursor, LRP-6, LRP-5, LR3, LRP7, Low-density lipoprotein receptor-related protein 5.

Background: This gene encodes a member of the low density lipoprotein (LDL) receptor gene family. LDL receptors are transmembrane cell surface proteins involved in receptor-mediated endocytosis of lipoprotein and protein ligands. The protein encoded by this gene functions as a receptor or, with Frizzled, a co-receptor for Wnt and thereby transmits the canonical Wnt/beta-catenin signaling cascade. Through its interaction with the Wnt/beta-catenin signaling cascade this gene plays a role in the regulation of cell differentiation, proliferation, and migration and the development of many cancer types. This protein undergoes gamma-secretase dependent RIP- (regulated intramembrane proteolysis) processing but the precise locations of the cleavage sites have not been determined.[provided by RefSeq, Dec 2009].

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**Gene ID:** 4040, 4041

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

## Application Details

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**Application Notes:** ELISA 1:500-1000  
IHC-P 1:200-400  
IF(IHC-P) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Storage:** 4 °C,-20 °C

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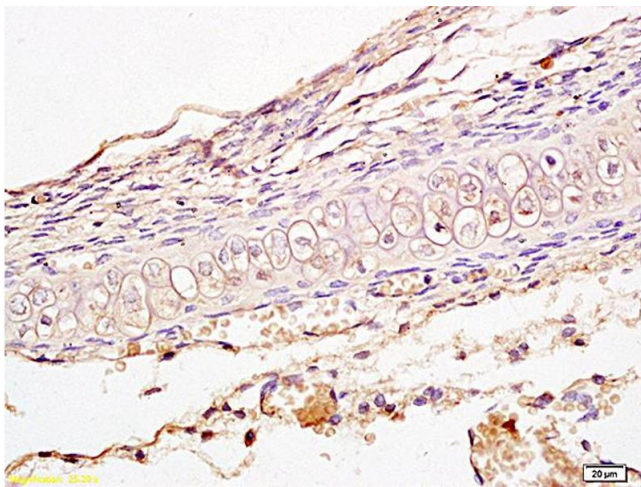
**Storage Comment:** Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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Publications

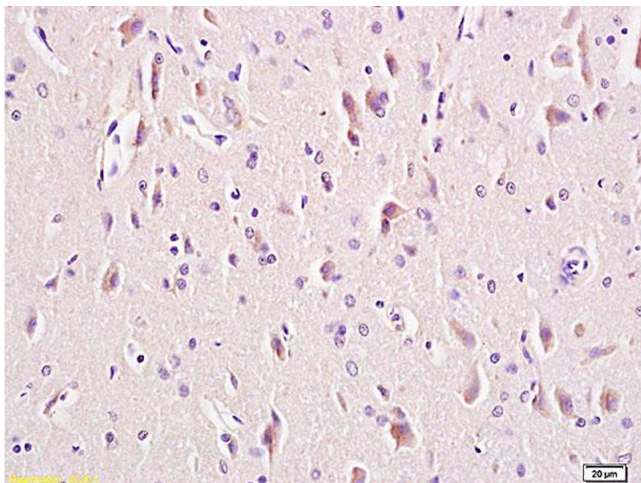
Product cited in: Huang, Fantini, Merrill, Bagchi, Guzman, Raychaudhuri: "DDB2 Is a Novel Regulator of Wnt Signaling in Colon Cancer." in: **Cancer research**, Vol. 77, Issue 23, pp. 6562-6575, (2018) ([PubMed](#)).

Images



Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded mouse embryo tissue labeled with Anti-LRP5 + LRP6 Polyclonal Antibody, Unconjugated (ABIN681478) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded rat brain tissue labeled with Anti-LRP5 + LRP6 Polyclonal Antibody, Unconjugated (ABIN681478) at 1:200 followed by conjugation to the secondary antibody and DAB staining