

Rabbit LRP5 (pT1492) Polyclonal Antibody | anti-LRP5 antibody

Rabbit anti LRP5 (pT1492)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71390	Rabbit	Human, rat, mouse	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

LRP5 (pT1492); Polyclonal Antibody; Rabbit anti LRP5 (pT1492); Rabbit anti LRP5 Phospho-specific antibody; Low-density lipoprotein Receptor-related Protein 5 (LRP5); LR3.; anti-LRP5 antibody

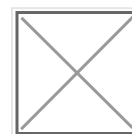
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, rat, mouse
Clonality	Polyclonal
Specificity	This antibody recognizes ~175 kDa of human LRP5 protein. It also reacts with mouse and rat. The other species are not tested.
Purity/Purification	The rabbit IgG is purified by Site-specific Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer
Concentration	100 ug/200 ul (varies by lot)
Sequence Length	1615
Applicable Applications for anti-LRP5 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Preparation	A synthetic peptide corresponding to the epitope KATLY at a phosphorylation threonine1492 in LRP5 protein
Positive Control	LRP5 transfected HEK293
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C to 8 degree C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-LRP5 antibody	Low-density lipoprotein receptor (LDLR)-related protein 5 (LRP5) is a member of the LDLR family which consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. LRP5 causes several human diseases including bone mineral density variability ¹ , endosteal hyperostosis, autosomal dominant osteopetrosis type I etc. The V171 mutation in LRP5 causes high bone density by impairing the action of a normal antagonist of the Wnt pathway and thus increasing Wnt signaling. The activity of LRP5 and LRP6 can be inhibited by binding of some members of Dickkopf (DKK) family proteins. Upon stimulation with Wnt, LRP5 and LRP6 are phosphorylated at multiple sites including Thr 1479, Ser 1490 and Thr 1492 by kinases such as GSK-3 and CK1.
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References	Davidson, G. et al. (2005), Nature 438, 867-872
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119709832
NCBI GeneID	4041
NCBI Accession #	NP_002326.2
NCBI GenBank Nucleotide #	NM_002335.2
UniProt Accession #	O75197; Q96TD6; Q9UP66; Q9UES7
Molecular Weight	175 kDa
NCBI Official Full Name	low-density lipoprotein receptor-related protein 5
NCBI Official Synonym Full Names	low density lipoprotein receptor-related protein 5
NCBI Official Symbol	LRP5
NCBI Official Synonym Symbols	HBM; LR3; OPS; EVR1; EVR4; LRP7; OPPG; BMND1; OPTA1; VBCH2
NCBI Protein Information	low-density lipoprotein receptor-related protein 5; LRP-5; OTTHUMP00000236183; low density lipoprotein receptor-related protein 7
UniProt Protein Name	Low-density lipoprotein receptor-related protein 5
UniProt Gene Name	LRP5
UniProt Synonym Gene Names	LRP7
UniProt Entry Name	LRP5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.