

Rabbit LRP6 (phospho) Antibody | anti-LRP6 (phospho) antibody

Rabbit anti LRP6 Phospho-specific antibody

CATALOG # AAA14084	HOST Rabbit	REACTIVITY Human, Rat, Mouse, Bovine, Canine	APPLICATIONS ELISA, Western Blot, Immunohistochemistry
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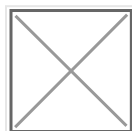
PRODUCT SYNONYMS

LRP6 (phospho); Rabbit anti LRP6 Phospho-specific antibody; Rabbit anti-LRP6 (pT1479); Low-density lipoprotein Receptor-related Protein 6 (LRP6); anti-LRP6 (phospho) antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse, Bovine, Canine
Specificity	This antibody recognizes ~180 kDa of human LRP6 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 Phosphate buffered saline (pH7.2) containing antibody stabilizer
Applicable Applications for anti-LRP6 (phospho) antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Western Blot: 0.1-1 ug/ml ELISA: 0.01-0.1 ug/ml Immunoprecipitation: 2-5 ug/ml Optimal dilutions should be determined by researchers for the specific applications.
Antigen Preparation	A synthetic peptide corresponding to the epitope KGTYF at a phosphorylation threonine1479 in LRP6 protein
Positive Control	Conditioned 3T3 cell lysate
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-LRP6 (phospho) antibody	Low-density lipoprotein receptor (LDLR)-related protein 6 (LRP6) 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.
References	Zahid Khan et al. (2007), Molecular and Cellular Biology, 27 (20), 7291-7301

NCBI AND UNIPROT INFORMATION

NCBI GI #	148727288
NCBI GeneID	4040
NCBI Accession #	NP_002327.2
NCBI GenBank Nucleotide #	NM_002336.2
UniProt Accession #	O75581; Q17RZ2; Q59EX8; Q9UQH4
Molecular Weight	180 kDa
NCBI Official Full Name	low-density lipoprotein receptor-related protein 6
NCBI Official Synonym Full Names	low density lipoprotein receptor-related protein 6
NCBI Official Symbol	LRP6
NCBI Official Synonym Symbols	ADCAD2; FLJ90062; FLJ90421
NCBI Protein Information	low-density lipoprotein receptor-related protein 6; LRP-6; OTTHUMP00000238979; OTTHUMP00000238980; OTTHUMP00000238982
UniProt Protein Name	Low-density lipoprotein receptor-related protein 6
UniProt Gene Name	LRP6
UniProt Entry Name	LRP6_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rabbit-bovine-canine-human-mouse-ovine-rat-antibody/lrp6-phospho/14084>