

Rabbit anti-Human LRP4 Polyclonal Antibody | anti-LRP4 antibody

LRP4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA231006	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

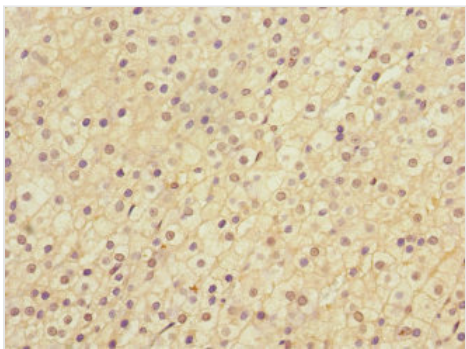
PRODUCT SYNONYMS

LRP4; Polyclonal Antibody; LRP4 Antibody; Low-density lipoprotein receptor-related protein 4; LRP-4; Multiple epidermal growth factor-like domains 7; KIAA0816; LRP10; MEGF7; anti-LRP4 antibody

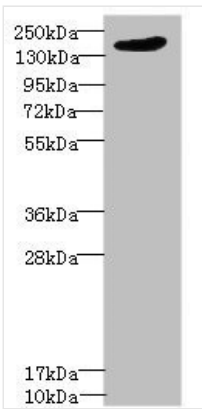
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	1905
Applicable Applications for anti-LRP4 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Low-density lipoprotein receptor-related protein 4 protein (1500-1725AA)
Conjugate	Non-conjugated
Research Area	Others
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-98775
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human adrenal gland tissue AAA231006 at dilution 1:100



WB (Western Blot)
Western blotAll lanes: LRP4 antibody IgG at 1.39ug/ml+ PC-3 whole cell lysateSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 213 kDaObserved band size: 213 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-LRP4 antibody	Mediates SOST-dependent inhibition of bone formation. Functions as a specific facilitator of SOST-mediated inhibition of Wnt signaling. Plays a key role in the formation and the maintenance of the neuromuscular junction (NMJ), the synapse between motor neuron and skeletal muscle. Directly binds AGRIN and recruits it to the MUSK signaling complex. Mediates the AGRIN-induced phosphorylation of MUSK, the kinase of the complex. The activation of MUSK in myotubes induces the formation of NMJ by regulating different processes including the transcription of specific genes and the clustering of AChR in the postsynaptic membrane. Alternatively, may be involved in the negative regulation of the canonical Wnt signaling pathway, being able to antagonize the LRP6-mediated activation of this pathway. More generally, has been proposed to function as a cell surface endocytic receptor binding and internalizing extracellular ligands for degradation by lysosomes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157384998
NCBI GeneID	4038
NCBI Accession #	NP_002325.2
NCBI GenBank Nucleotide #	NM_002334.3
UniProt Accession #	O75096; Q4AC85; Q5KTZ5; B2RN39
NCBI Official Full Name	low-density lipoprotein receptor-related protein 4
NCBI Official Synonym Full Names	LDL receptor related protein 4
NCBI Official Symbol	LRP4
NCBI Official Synonym Symbols	CLSS; CMS17; LRP-4; LRP10; MEGF7; SOST2
NCBI Protein Information	low-density lipoprotein receptor-related protein 4
UniProt Protein Name	Low-density lipoprotein receptor-related protein 4
UniProt Gene Name	LRP4
UniProt Synonym Gene Names	KIAA0816; LRP10; MEGF7; LRP-4
UniProt Entry Name	LRP4_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.

