

Rabbit anti-Human LRP3 Polyclonal Antibody | anti-LRP3 antibody

LRP3 Antibody (C-term)

CATALOG # AAA284263	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

LRP3; Polyclonal Antibody; LRP3 Antibody (C-term); Low-density lipoprotein receptor-related protein 3; LRP-3; 105 kDa low-density lipoprotein receptor-related protein; hLRp105; anti-LRP3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This LRP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 661-692 amino acids from the C-terminal region of human LRP3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.3 (varies by lot)
Sequence Positions	661-692
Sequence Length	770
Applicable Applications for anti-LRP3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

LRP3 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of LRP3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

LRP3 Antibody (E676) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the LRP3 antibody detected the LRP3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-LRP3 antibody	Low density lipoprotein (LDL) receptor-related protein (LRP), a member of the LDL receptor family, binds multiple classes of ligands and has been implicated in a broad range of normal and disease processes involving lipid metabolism, protease clearance, and cell migration (1). Structurally, members of the LDLR family share homology within their extracellular domains, which are highlighted by the presence of clusters of ligand-binding repeats. LRP is a large endocytic receptor that participates in several biological pathways and plays prominent roles in lipoprotein metabolism and in the catabolism of proteinases involved in coagulation and fibrinolysis. LRP also mediates the cellular entry of certain viruses and toxins and facilitates the activation of various lysosomal enzymes (2). All LRPs are expressed in the central nervous system and, for most receptors, animal models have shown that they are indispensable for successful neurodevelopment. The mechanisms by which they regulate the formation of the nervous system are varied and include the transduction of extracellular signals and the modulation of intracellular signal propagation, as well as cargo transport, the function most commonly attributed to this gene family (3).
Product Categories/Family for anti-LRP3 antibody	Signal Transduction
References	Ishii, H., et al., Genomics 51(1):132-135 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	167555125
NCBI GeneID	4037
NCBI Accession #	NP_002324.2
NCBI GenBank Nucleotide #	NM_002333.3
UniProt Accession #	O75074; B3KQD6; B4DKF2
Molecular Weight	82884
NCBI Official Full Name	low-density lipoprotein receptor-related protein 3
NCBI Official Synonym Full Names	low density lipoprotein receptor-related protein 3
NCBI Official Symbol	LRP3
NCBI Protein Information	low-density lipoprotein receptor-related protein 3
UniProt Protein Name	Low-density lipoprotein receptor-related protein 3
UniProt Gene Name	LRP3
UniProt Synonym Gene Names	LRP-3; hLRp105
UniProt Entry Name	LRP3_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.