



Rabbit Anti-LRP3 antibody

SL18364R

Product Name:	LRP3
Chinese Name:	低密度Lipoprotein受体相关蛋白3抗体
Alias:	105 kDa low-density lipoprotein receptor-related protein; hLRp105; Low density lipoprotein receptor related protein 3; Low-density lipoprotein receptor-related protein 3; LRP-3; Lrp3; LRP3 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	79kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LRP3:31-130/770<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Low-density lipoprotein receptor-related protein 3 (LRP3) is a 770 amino acid protein that contains two CUB domains and four LDL-receptor class A domains. LRP3 is widely expressed with highest expression in skeletal muscle and ovary and lowest expression in testis, colon and leukocytes. LRP3 is potentially a membrane receptor

involved in the internalization of lipophilic molecules and/or signal transduction.

Function:

Probable receptor, which may be involved in the internalization of lipophilic molecules and/or signal transduction. Its precise role is however unclear, since it does not bind to very low density lipoprotein (VLDL) or to LRPAP1 in vitro.

Subcellular Location:

Membrane. Membrane > coated pit. Target information above from: UniProt accession O75074 The UniProt Consortium The Universal Protein Resource (UniProt) in 2010 Nucleic Acids Res. 38:D142-D148 (2010) .

Tissue Specificity:

Widely expressed. Highly expressed in skeletal muscle and ovary. Expressed at intermediate level in heart, brain, liver, pancreas, prostate and small intestine. Weakly expressed in testis, colon and leukocyte.

Similarity:

Belongs to the LDLR family.
Contains 2 CUB domains.
Contains 4 LDL-receptor class A domains.

SWISS:

O75074

Gene ID:

4037

Database links:

[Entrez Gene: 4037](#) Human

[Entrez Gene: 435965](#) Mouse

[Entrez Gene: 89787](#) Rat

[Omim: 603159](#) Human

[SwissProt: O75074](#) Human

[SwissProt: O88204](#) Rat

[Unigene: 515340](#) Human

[Unigene: 273631](#) Mouse

[Unigene: 145216](#) Rat

[Unigene: 87059](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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