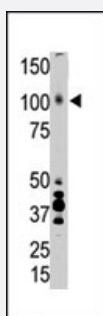


LRP8 polyclonal antibody

Catalog # PAB4740

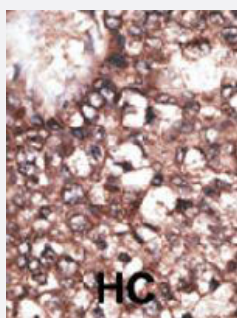
Size 400 uL

Applications



Western Blot (Tissue lysate)

The LRP8 polyclonal antibody (Cat # PAB4740) is used in Western blot to detect LRP8 in placenta tissue lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with LRP8 polyclonal antibody (Cat # PAB4740), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of LRP8.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus amino acids 934-963 of human LRP8.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — LRP8

Entrez GeneID	7804
Protein Accession#	Q14114
Gene Name	LRP8
Gene Alias	APOER2, HSZ75190, MCI1
Gene Description	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor
Omim ID	602600 608446
Gene Ontology	Hyperlink

Gene Summary

This gene encodes an apolipoprotein E receptor, a member of the low density lipoprotein receptor (LDLR) family. Apolipoprotein E is a small lipophilic plasma protein and a component of lipoproteins such as chylomicron remnants, very low density lipoprotein (VLDL), and high density lipoprotein (HDL). The apolipoprotein E receptor is involved in cellular recognition and internalization of these lipoproteins. Alternative splicing generates multiple transcript variants encoding distinct isoforms for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000010479|OTTHUMP00000010480|OTTHUMP00000010481|apolipoprotein E receptor 2|low density lipoprotein receptor-related protein 8

Publication Reference

- [Domains of apoE required for binding to apoE receptor 2 and to phospholipids: implications for the functions of apoE in the brain.](#)

Li X, Kypreos K, Zanni EE, Zannis V.
Biochemistry 2003 Sep; 42(35):10406.

- [The transmembrane domain and PXXP motifs of ApoE receptor 2 exclude it from carrying out clathrin-mediated endocytosis.](#)

Sun XM, Soutar AK.
The Journal of Biological Chemistry 2003 May; 278(22):19926.

Application: WB-Re, Recombinant protein

- [Identification of a novel exon in apolipoprotein E receptor 2 leading to alternatively spliced mRNAs found in cells of the vascular wall but not in neuronal tissue.](#)

Korschineck I, Ziegler S, Breuss J, Lang I, Lorenz M, Kaun C, Ambros PF, Binder BR.
The Journal of Biological Chemistry 2001 Apr; 276(16):13192.

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Dementia](#)
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