



# ApoER2 Monoclonal Antibody

Catalog No	BYmab-13141
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	LRP8
Protein Name	Low-density lipoprotein receptor-related protein 8
Immunogen	The antiserum was produced against synthesized peptide derived from human LRP8. AA range:451-500
Specificity	ApoER2 Monoclonal Antibody detects endogenous levels of ApoER2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	LRP8; APOER2; Low-density lipoprotein receptor-related protein 8; LRP-8; Apolipoprotein E receptor 2
Observed Band	100kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Secreted . Isoforms that contain the exon coding for a furin-type cleavage site are proteolytically processed, leading to a secreted receptor fragment. .
Tissue Specificity	Expressed mainly in brain and placenta. Also expressed in platelets and megakaryocytic cells. Not expressed in the liver.
Function	alternative products:Additional isoforms seem to exist. No differences were observed in the pattern splicing between control and Alzheimer brains,disease:Genetic variation in LRP8 is associated with susceptibility to myocardial infarction type 1 [MIM:608446]. Atherosclerotic coronary artery disease (CAD) and myocardial infarction (MI) are complex traits that account for the leading cause of death in the Western world heart disease.,domain:The cytoplasmic domain is involved in the binding of DAB1 and in the recruitment of JNK-interacting proteins. Isoforms, which lack part of the cytoplasmic domain, are unable to recruit members of the family of JNK interacting proteins (JIP) to the

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cytoplasmic tail.,function:Cell surface receptor for Reelin (RELN) and apolipoprotein E (apoE)-containing ligands. LRP8 participates in transmitting the extracellular Reelin signal to intracellular signaling p

#### Background

This gene encodes a member of the low density lipoprotein receptor (LDLR) family. Low density lipoprotein receptors are cell surface proteins that play roles in both signal transduction and receptor-mediated endocytosis of specific ligands for lysosomal degradation. The encoded protein plays a critical role in the migration of neurons during development by mediating Reelin signaling, and also functions as a receptor for the cholesterol transport protein apolipoprotein E. Expression of this gene may be a marker for major depressive disorder. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jun 2011],

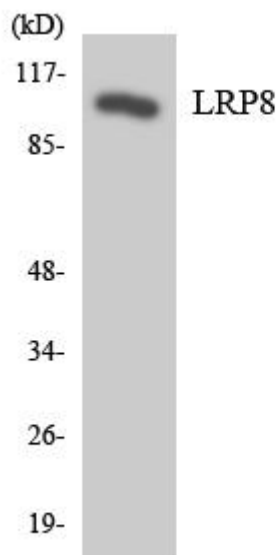
#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using ApoER2 Monoclonal Antibody