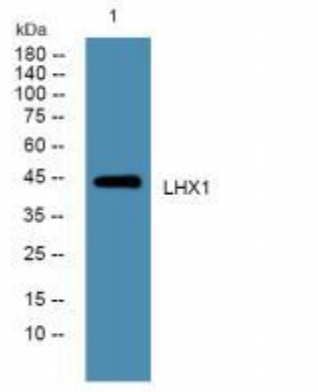
LRP1 Monoclonal Antibody

Catalog No	YP-mAb-13395
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	LRP1
Protein Name	Prolow-density lipoprotein receptor-related protein 1
Immunogen	The antiserum was produced against synthesized peptide derived from human CD91. AA range:4486-4535
Specificity	LRP1 Monoclonal Antibodydetects endogenous levels of LRP1 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 - 1/2000.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	LRP1; A2MR; APR; Prolow-density lipoprotein receptor-related protein 1; LRP-1; Alpha-2-macroglobulin receptor; A2MR; Apolipoprotein E receptor; APOER; CD antigen CD91
Observed Band	80kD
Cell Pathway	[Low-density lipoprotein receptor-related protein 1 85 kDa subunit]: Cell membrane; Single-pass type I membrane protein. Membrane, coated pit.; [Low-density lipoprotein receptor-related protein 1 515 kDa subunit]: Cell membrane; Peripheral membrane protein; Extracellular side. Membrane, coated pit.; [Low-density lipoprotein receptor-related protein 1 intracellular domain]: Cytoplasm . Nucleus . After cleavage, the intracellular domain (LRPICD) is detected both in the cytoplasm and in the nucleus. .; Golgi outpost . Cytoplasm, cytoskeleton, microtubule organizing center . Localizes to the postsynaptic Golgi apparatus region, also named Golgi outpost, which shapes dendrite morphology by functioning as sites of acentrosomal microtubule nucleation. .
Tissue Specificity	Most abundant in liver, brain and lung.
Function	function:Endocytic receptor involved in endocytosis and in phagocytosis of apoptotic cells. Required for early embryonic development. Involved in cellular lipid homeostasis. Involved in the plasma clearance of chylomicron remnants and activated LRPAP1 (alpha 2-macroglobulin), as well as the local metabolism of complexes between plasminogen activators and their endogenous inhibitors. May

	modulate cellular events, such as APP metabolism, kinase-dependent intracellular signaling, neuronal calcium signaling as well as neurotransmission.,PTM:Cleaved into a 85 kDa membrane-spanning subunit (LRP-85) and a 515 kDa large extracellular domain (LRP-515) that remains non-covalently associated. Gamma-secretase-dependent cleavage of LRP-85 releases the intracellular domain from the membrane.,PTM:Phosphorylated on serine and threonine residues.,PTM:Phosphorylated on tyrosine residues upon stimulation w
Background	This gene encodes a member of the low-density lipoprotein receptor family of proteins. The encoded preproprotein is proteolytically processed by furin to generate 515 kDa and 85 kDa subunits that form the mature receptor (PMID: 8546712). This receptor is involved in several cellular processes, including intracellular signaling, lipid homeostasis, and clearance of apoptotic cells. In addition, the encoded protein is necessary for the alpha 2-macroglobulin-mediated clearance of secreted amyloid precursor protein and beta-amyloid, the main component of amyloid plaques found in Alzheimer patients. Expression of this gene decreases with age and has been found to be lower than controls in brain tissue from Alzheimer's disease patients. [provided by RefSeq, Oct 2015],
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 lysates from HepG2 cells, using CD91 Antibody. The lane on the right is blocked with the synthesized peptide.