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Goat Anti-LRP1 (aa3941-3951) Antibody

Peptide-affinity purified goat antibody
Catalog # AF4133a

Specification

Goat Anti-LRP1 (aa3941-3951) Antibody - Product Information

Application	**E**
Primary Accession	Q07954
Other Accession	NP_002323.2, 4035, 16971 (mouse), 299858 (rat)
Reactivity	**Human, Mouse, Rat, Pig, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**504606**

Goat Anti-LRP1 (aa3941-3951) Antibody - Additional Information

Gene ID 4035

Other Names
Prolow-density lipoprotein receptor-related protein 1, LRP-1, Alpha-2-macroglobulin receptor, A2MR, Apolipoprotein E receptor, APOER, CD91, Low-density lipoprotein receptor-related protein 1 85 kDa subunit, LRP-85, Low-density lipoprotein receptor-related protein 1 515 kDa subunit, LRP-515, Low-density lipoprotein receptor-related protein 1 intracellular domain, LRPICD, LRP1, A2MR, APR

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Immunogen
Peptide with sequence C-HRRQIDRGVTH , from the internal region of the protein sequence according to NP_002323.2.Please note the peptide is available for sale.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-LRP1 (aa3941-3951) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-LRP1 (aa3941-3951) Antibody - Protein Information

Name LRP1 (HGNC:6692)

Synonyms A2MR, APR

Function
Endocytic receptor involved in endocytosis and in phagocytosis of apoptotic cells (PubMed:11907044, PubMed:12713657). Required for early embryonic development (By similarity). 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. Acts as an LRPAP1 alpha-2- macroglobulin receptor (PubMed:26142438, PubMed:1702392). Acts as TAU/MAPT receptor and controls the endocytosis of TAU/MAPT as well as its subsequent spread (PubMed:32296178). May modulate cellular events, such as APP metabolism, kinase-dependent intracellular signaling, neuronal calcium signaling as well as neurotransmission (PubMed:12888553).

Cellular Location
[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 intracellular domain]: Cytoplasm Nucleus. Note=After cleavage, the intracellular domain (LRPICD) is detected both in the cytoplasm and in the nucleus.

Tissue Location
Most abundant in liver, brain and lung.

Goat Anti-LRP1 (aa3941-3951) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-LRP1 (aa3941-3951) Antibody - Images

Goat Anti-LRP1 (aa3941-3951) Antibody - References

Low-density lipoprotein receptor-related protein-1 (LRP1) mediates autophagy and apoptosis caused by Helicobacter pylori VacA. Yahiro K, Satoh M, Nakano M, Hisatsune J, Isomoto H, Sap J, Suzuki H, Nomura F, Noda M, Moss J, Hirayama T. The Journal of biological chemistry 2012 Sep 287 (37): 31104-15. PMID: 22822085