

Anti-LRP1/Lrp 1 Cluster II Rabbit Monoclonal Antibody
Catalog # ABO13332**Specification****Anti-LRP1/Lrp 1 Cluster II Rabbit Monoclonal Antibody - Product Information**

| | |
|-------------------|--------------------------|
| Application | WB, IHC, IF, ICC, IP, FC |
| Primary Accession | Q07954 |
| Host | Rabbit |
| Isotype | Rabbit IgG |
| Reactivity | Rat, Human, Mouse |
| Clonality | Monoclonal |
| Format | Liquid |

Description

Anti-LRP1/Lrp 1 Cluster II Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Anti-LRP1/Lrp 1 Cluster II Rabbit Monoclonal 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 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=6692)>HGNC:6692), A2MR, APR

Calculated MW

504606 MW KDa

Application Details

WB 1:10000-1:20000
IHC 1:50-1:100
ICC/IF 1:50-1:100
IP 1:30
FC 1:50

Subcellular Localization

Low-density lipoprotein receptor-related protein 1 85 kDa subunit: Cell membrane; Single-pass type I membrane protein. Membrane, coated pit.

Tissue Specificity

Most abundant in liver, brain and lung.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human LRP1

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-LRP1/Lrp 1 Cluster II Rabbit Monoclonal 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:1702392, PubMed:26142438). 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). Also acts as a receptor for IGFBP3 to mediate cell growth inhibition (PubMed:9252371).

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

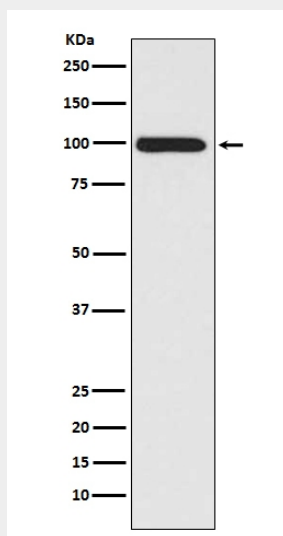
Most abundant in liver, brain and lung.

Anti-LRP1/Lrp 1 Cluster II Rabbit Monoclonal Antibody - Protocols

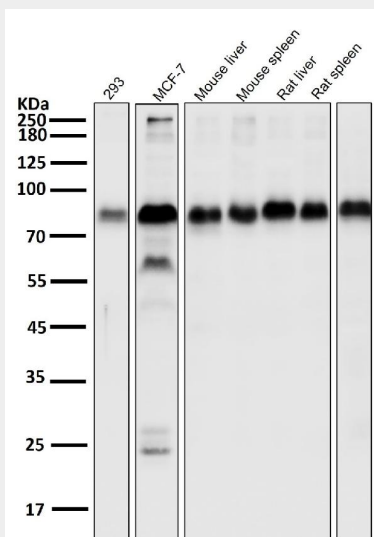
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

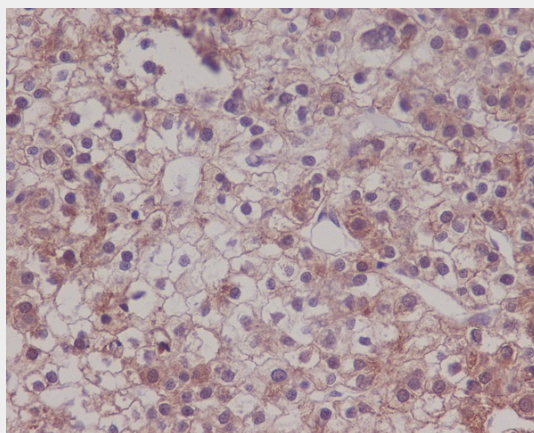
Anti-LRP1/Lrp 1 Cluster II Rabbit Monoclonal Antibody - Images



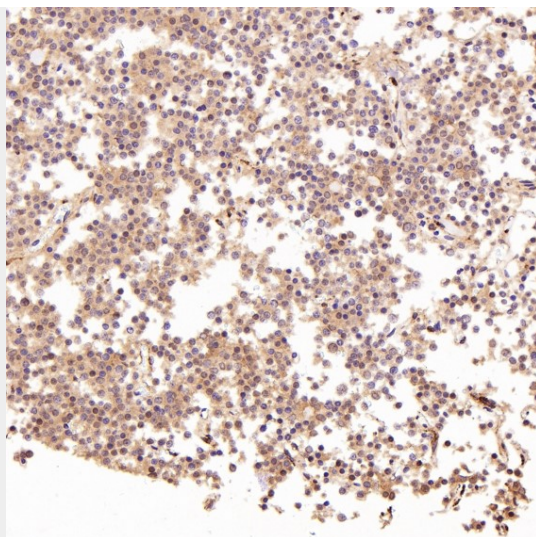
Western blot analysis of LRP1 expression in A549 cell lysate.



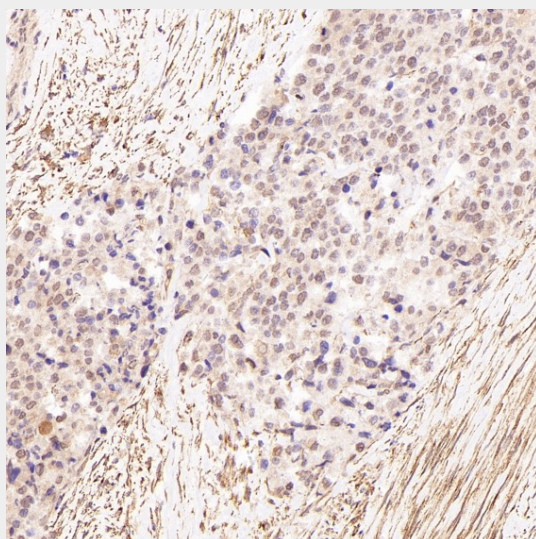
All lanes use the Antibody at 1:3W dilution for 1 hour at room temperature.



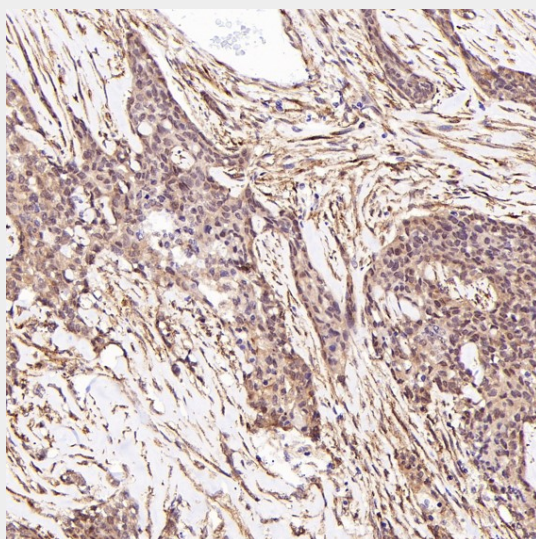
Immunohistochemical analysis of paraffin-embedded human liver carcinoma, using LRP1 Antibody.



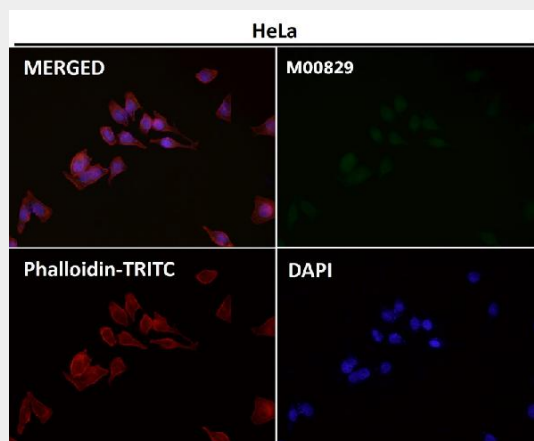
Immunohistochemical analysis of paraffin-embedded Human pituitary tumor, using the Antibody at 1:300 dilution.



Immunohistochemical analysis of paraffin-embedded Human prostate cancer, using the Antibody at 1:300 dilution.



Immunohistochemical analysis of paraffin-embedded Human breast cancer, using the Antibody at 1:300 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.