

## Anti-LRP1/Lrp 1 Cluster II Rabbit Monoclonal Antibody Catalog # ABO13332

### Specification

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#### Anti-LRP1/Lrp 1 Cluster II Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	<a href="#">Q07954</a>
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 ([HGNC:6692](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=6692)), A2MR, APR

#### Calculated MW

504606 MW KDa

#### Application Details

WB 1:10000-1:20000<br>IHC 1:50-1:100<br>ICC/IF 1:50-1:100<br>IP 1:30<br>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](http://www.uniprot.org/citations/11907044), PubMed:[12713657](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/1702392), PubMed:[26142438](http://www.uniprot.org/citations/26142438)). Acts as TAU/MAPT receptor and controls the endocytosis of TAU/MAPT as well as its subsequent spread (PubMed:[32296178](http://www.uniprot.org/citations/32296178)). May modulate cellular events, such as APP metabolism, kinase-dependent intracellular signaling, neuronal calcium signaling as well as neurotransmission (PubMed:[12888553](http://www.uniprot.org/citations/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

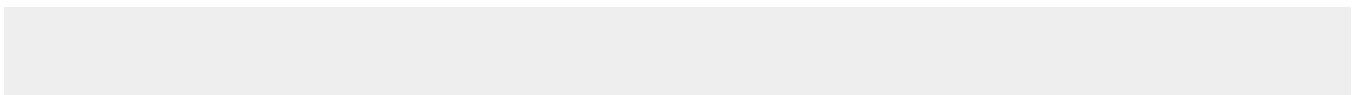
Most abundant in liver, brain and lung.

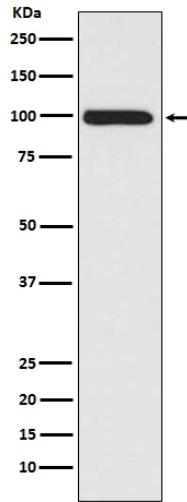
## Anti-LRP1/Lrp 1 Cluster Ii Rabbit Monoclonal Antibody - Protocols

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

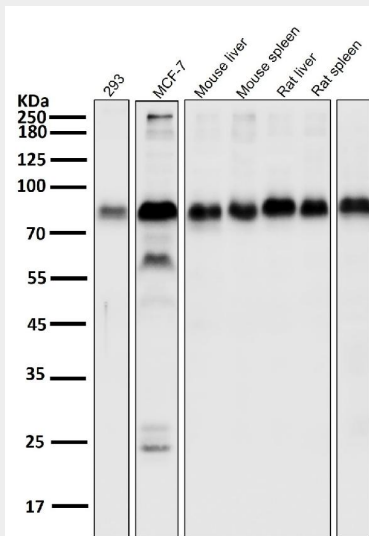
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-LRP1/Lrp 1 Cluster Ii Rabbit Monoclonal Antibody - Images

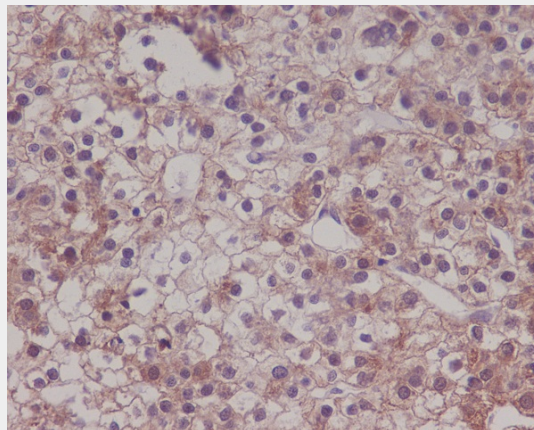




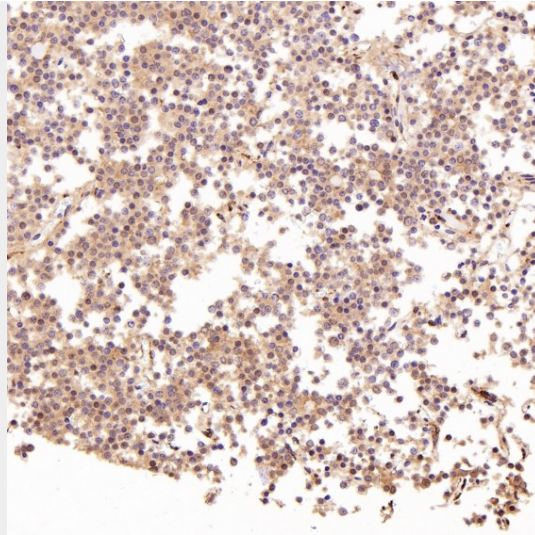
Western blot analysis of LRP1 expression in A549 cell lysate.



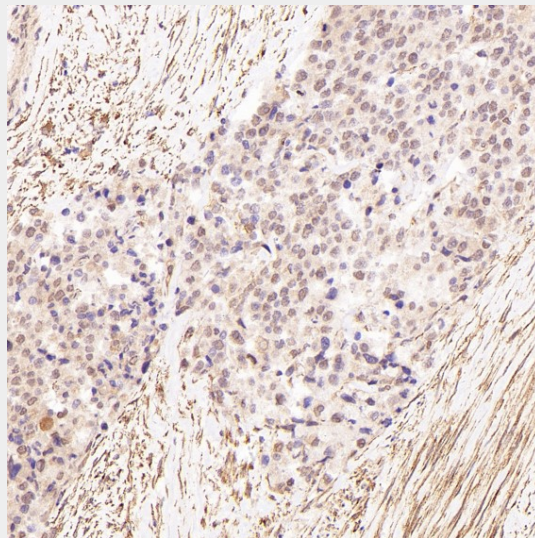
All lanes use the Antibody at 1:3W dilution for 1 hour at room temperature.



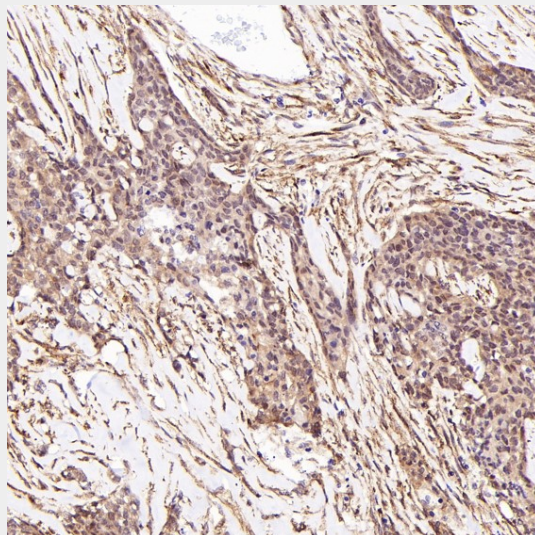
Immunohistochemical analysis of paraffin-embedded human liver carcinoma, using LRP1 Antibody.



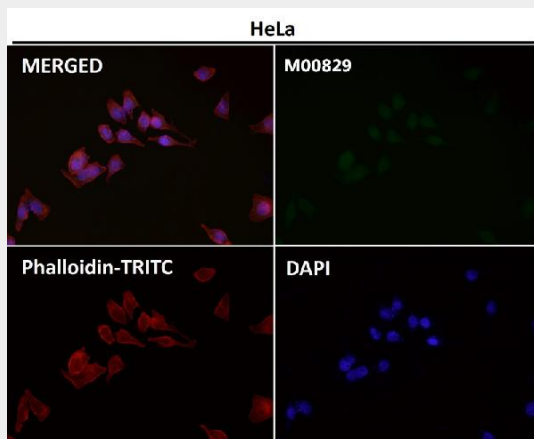
Immunohistochemical analysis of paraffin-embedded Human pituitary tumor, using the Antibody at 1:300 dilution.



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.