

Anti-LRP1 Antibody (1R508)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human, Mouse, Rat
Conjugation:	Unconjugated
Clone:	1R508
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none">-Positive WB detected in: Mouse lung tissue lysate, Rat liver tissue lysate-All lanes: LRP1 antibody at 1:1000-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution-Predicted band size: 505 kDa-Observed band size: 100 kDa <p>2. IHC image of TMAH-00704 diluted at 1:150 and staining in paraffin-embedded human prostate cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB. Secondary antibody only control: uses 1% BSA instead of primary antibody.</p> <p>3. IHC image of TMAH-00704 diluted at 1:150 and staining in paraffin-embedded mouse brain tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB. Secondary antibody only control: uses 1% BSA instead of primary antibody.</p>
Application:	ELISA, WB, IHC
Recommended	WB:1:500-1:2000; IHC:1:50-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: A synthetic peptide: Human LRP1
Antigen Species: Human
Gene ID: 4035
Uniprot ID: Q07954
Synonyms: CD91;LRP;IGFBP3R;IGFBP-3R;DDH3;APR;TGFB5;IGFBP3R1;KPA;LRP1A;A2MR;APOER
Biology Area: Neuroscience, Cancer, Cardiovascular, Cell biology, Metabolism, Signal transduction

Research Background

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. Acts as an LRPAP1 alpha-2-macroglobulin receptor. Acts as TAU/MAPT receptor and controls the endocytosis of TAU/MAPT as well as its subsequent spread. May modulate cellular events, such as APP metabolism, kinase-dependent intracellular signaling, neuronal calcium signaling as well as neurotransmission. (Microbial infection) Functions as a receptor for Pseudomonas aeruginosa exotoxin A.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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