Product datasheet

Anti-LRP8 Antibody

Catalog Number: *A03444-2*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-LRP8 Antibody
Gene Name	LRP8
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, FCM, ICC/IF, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human ApoER2/LRP8 recombinant protein (Position: R444-D960). Human LRP8 shares 92.3% and 90.7% amino acid (aa) sequence identity with mouse and rat LRP8, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	106 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

This gene encodes a member of the low density lipoprotein receptor (LDLR) family. Low density lipoprotein receptors are cell surface proteins that play roles in both signal transduction and receptor-mediated endocytosis of specific ligands for lysosomal degradation. The encoded protein plays a critical role in the migration of neurons during development by mediating Reelin signaling, and also functions as a receptor for the cholesterol transport protein apolipoprotein E. Expression of this gene may be a marker for major depressive disorder. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

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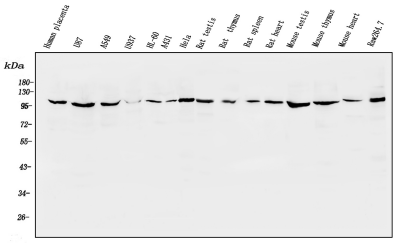
Reference

Anti-LRP8 Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of LRP8 using anti-LRP8 antibody (A03444-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human placenta tissue lysates,
Lane 2: human U87 whole cell lysates,
Lane 3: human A549 whole cell lysates,
Lane 4: human U937 whole cell lysates,
Lane 5: human HL-60 whole cell lysates,
Lane 6: human A431 whole cell lysates,
Lane 7: human HELA whole cell lysates,
Lane 8: rat testis tissue lysates,
Lane 9: rat thymus tissue lysates,
Lane 10: rat spleen tissue lysates,
Lane 11: rat heart tissue lysates,
Lane 12: mouse testis tissue lysates,
Lane 13: mouse thymus tissue lysates,
Lane 14: mouse heart tissue lysates,
Lane 15: Mouse RAW264.7 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-LRP8 antigen affinity purified polyclonal antibody (A03444-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for LRP8 at approximately 106 kDa. The expected band size for LRP8 is at 102 kDa.

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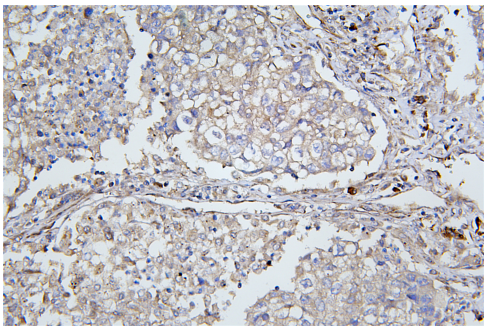
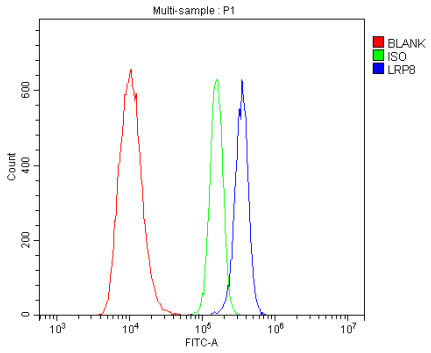
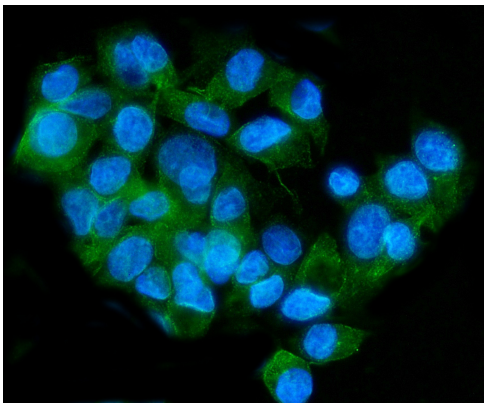


IHC analysis of LRP8 using anti-LRP8 antibody (A03444-2).
LRP8 was detected in a paraffin-embedded section of human lung cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-LRP8 Antibody (A03444-2) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.



Flow Cytometry analysis of HL-60 cells using anti-LRP8 antibody (A03444-2).
Overlay histogram showing HL-60 cells stained with A03444-2 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-LRP8 Antibody (A03444-2) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IF analysis of LRP8 using anti-LRP8 antibody (A03444-2).
LRP8 was detected in an immunocytochemical section of HepG2 cells. The section was incubated with rabbit anti-LRP8 Antibody (A03444-2) at a dilution of 1:100. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).

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