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Datasheet for ABIN1686627
anti-LRP4 antibody (AA 26-350)

4 Images

Overview

Quantity:	100 µg
Target:	LRP4
Binding Specificity:	AA 26-350
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Fusion protein amino acids 26- 350 (extracellular N-terminus) of mouse LTP4
Clone:	S207-27
Isotype:	IgG2a
Specificity:	Detects the extracellular domain of LRP4 ~215 kDa. Degradation product can be seen at ~150 kDa.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein G Purified

Target Details

Target:	LRP4
Alternative Name:	LRP4 (LRP4 Products)

Target Details

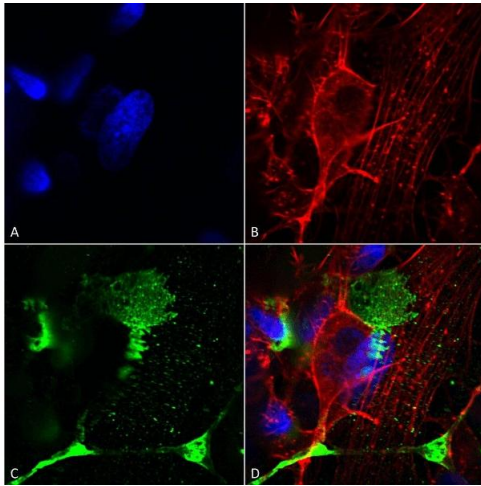
Background:	Potential cell surface endocytic receptor, which binds and internalizes extracellular ligands for degradation by lysosomes. It is involved in the negative regulation of the canonical Wnt signaling pathway, being able to antagonize the LRP6-mediated activation of this pathway.
Gene ID:	83469
NCBI Accession:	NP_766256
UniProt:	Q8VI56
Pathways:	Skeletal Muscle Fiber Development

Application Details

Application Notes:	<ul style="list-style-type: none">• WB (1:1000)• ICC/IF (1:100)• optimal dilutions for assays should be determined by the user.
Comment:	1 µg/ml of ABIN1686627 was sufficient for detection of LRP4 in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

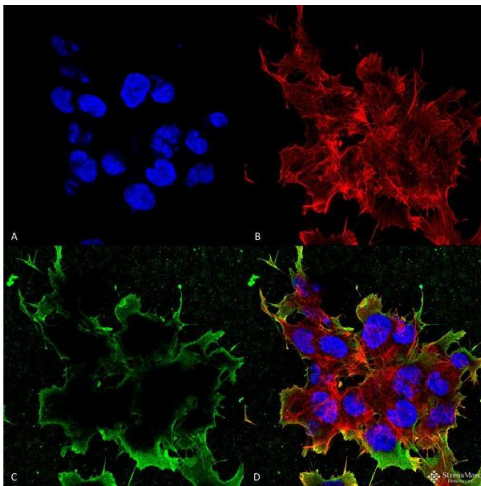
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C



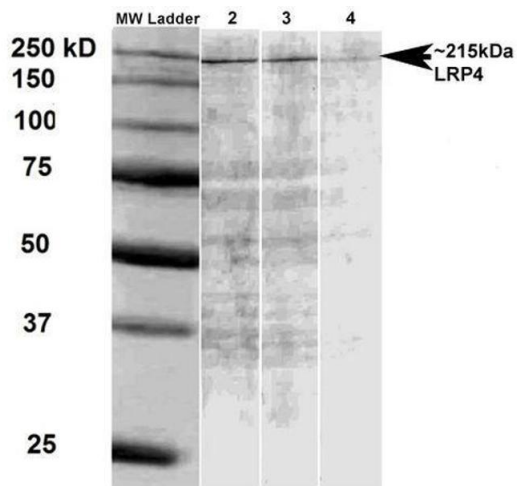
Immunocytochemistry

Image 1. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-LRP4 (Extracellular) Monoclonal Antibody, Clone S207-27 (ABIN1686627). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4 % PFA for 15 min. Primary Antibody: Mouse Anti-LRP4 (Extracellular) Monoclonal Antibody (ABIN1686627) at 1:200 for overnight at 4 °C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain, Hoechst (blue) nuclear stain at 1:800, 1.6 mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) LRP4 (Extracellular) Antibody (D) Composite.



Immunofluorescence (fixed cells)

Image 2. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-LRP4 (Extracellular) Monoclonal Antibody, Clone S207-27. Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-LRP4 (Extracellular) Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Membrane. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) LRP4 (Extracellular) Antibody (D) Composite.



Western Blotting

Image 3. Western Blot analysis of Rat brain membrane lysate showing detection of LRP4 protein using Mouse Anti-LRP4 Monoclonal Antibody, Clone S207-27 . Primary Antibody: Mouse Anti-LRP4 Monoclonal Antibody at 1:500, 1:1000, and 1:2000.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1686627.