

For Research Use Only

LRP4 Polyclonal antibody, PBS Only

Catalog Number: 24434-1-PBS



Basic Information

Catalog Number:

24434-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19487

GenBank Accession Number:

BC136667

GeneID (NCBI):

4038

UNIPROT ID:

O75096

Full Name:

low density lipoprotein receptor-related protein 4

Calculated MW:

1905 aa, 212 kDa

Observed MW:

240 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse

Background Information

LRP4 (low-density lipoprotein receptor-related protein 4), also known as multiple epidermal growth factor-like domains 7 (MEGF7), is a type I single transmembrane protein of the low-density lipoprotein receptor (LDLR) family. LRP4 is composed of a large extracellular region containing multiple LDLa repeats, EGF-like domains and β -propeller domains, a transmembrane region and a cytoplasmic region containing an NPxY motif and a PDZ-interacting motif (PMID: 26071838). LRP4 binds agrin and recruits it to the MuSK signaling complex, which is critical for neuromuscular junction formation (PMID: 17119023; 18957220). LRP4 mutation or malfunction is implicated in disorders including congenital myasthenic syndrome, myasthenia gravis, and diseases of bone or kidney (26071838).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

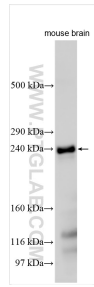
For technical support and original validation data for this product please contact:

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Selected Validation Data



Mouse brain tissue was subjected to SDS PAGE followed by western blot with 24434-1-AP (LRP4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 24434-1-PBS in a different storage buffer formulation.