

For Research Use Only

AMIGO1 Polyclonal antibody

Catalog Number: 21874-1-AP



Basic Information

Catalog Number:

21874-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16226

GenBank Accession Number:

BC040879

GeneID (NCBI):

57463

UNIPROT ID:

Q86WK6

Full Name:

adhesion molecule with Ig-like domain 1

Calculated MW:

493 aa, 55 kDa

Observed MW:

70-80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, rat brain tissue

Background Information

AMIGO1 is a brain-enriched transmembrane immunoglobulin (Ig) superfamily protein with six extracellular leucine-rich repeats (LRR) and a single immunoglobulin-like (Ig) domain (PMID: 21938721). It is widely expressed in the central nervous system (CNS), and can be found in neurons, astrocytes as well as oligodendrocytes. AMIGO1 acts as a homophilic adhesion molecule that induces outgrowth and fasciculation of neurites in central neurons (PMID: 12629050). It has been reported that AMIGO1 is a glycosylated protein, the apparent molecular weight (70-80 kDa) is much higher than the predicted molecular size of AMIGO1 (55 kDa) (PMID: 12629050; 21938721; 22056818).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

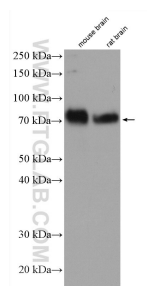
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



mouse brain tissue and rat brain tissue were subjected to SDS PAGE followed by western blot with 21874-1-AP (AMIGO1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.