

For Research Use Only

AMIGO1 Polyclonal antibody

Catalog Number: 21874-1-AP



Basic Information

Catalog Number: 21874-1-AP	GenBank Accession Number: BC040879	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 57463	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	UNIPROT ID: Q86WK6	
Isotype: IgG	Full Name: adhesion molecule with Ig-like domain 1	
Immunogen Catalog Number: AG16226	Calculated MW: 493 aa, 55 kDa	
	Observed MW: 70-80 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	

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

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

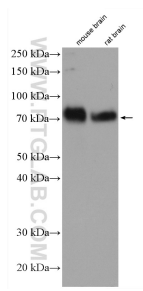
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Selected Validation Data



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