

For Research Use Only

# AMIGO1 Polyclonal antibody

Catalog Number: 21874-1-AP



## Basic Information

<b>Catalog Number:</b> 21874-1-AP	<b>GenBank Accession Number:</b> BC040879	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 450 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 57463	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q86WK6	
<b>Isotype:</b> IgG	<b>Full Name:</b> adhesion molecule with Ig-like domain 1	
<b>Immunogen Catalog Number:</b> AG16226	<b>Calculated MW:</b> 493 aa, 55 kDa	
	<b>Observed MW:</b> 70-80 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, rat brain tissue
<b>Species Specificity:</b> 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

\*\*\* 20ul sizes contain 0.1% BSA

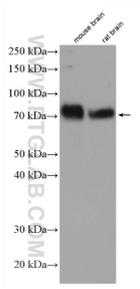
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## Selected Validation Data



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.