

**AMIGO1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13681b**

**Specification**

**AMIGO1 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q86WK6</a>
Other Accession	<a href="#">Q80ZD7</a> , <a href="#">Q80ZD8</a> , <a href="#">NP_065754.2</a>
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	55239
Antigen Region	386-415

**AMIGO1 Antibody (C-term) - Additional Information**

**Gene ID** 57463

**Other Names**

Amphoterin-induced protein 1, AMIGO-1, Alivin-2, AMIGO1 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=20824](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=20824))  
[target="\\_blank">HGNC:20824</a>](#)

**Target/Specificity**

This AMIGO1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 386-415 amino acids from the C-terminal region of human AMIGO1.

**Dilution**

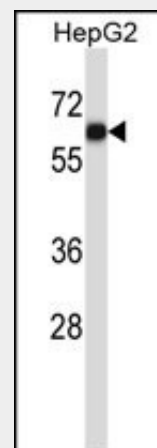
WB~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw



AMIGO1 Antibody (C-term) (Cat. #AP13681b) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the AMIGO1 antibody detected the AMIGO1 protein (arrow).

**AMIGO1 Antibody (C-term) - Background**

AMIGO1 promotes growth and fasciculation of neurites from cultured hippocampal neurons. May be involved in fasciculation as well as myelination of developing neural axons. May have a role in regeneration as well as neural plasticity in the adult nervous system. May mediate homophilic as well as heterophilic cell-cell interaction and contribute to signal transduction through its intracellular domain (By similarity).

**AMIGO1 Antibody (C-term) - References**

- Kottgen, A., et al. Nat. Genet. 42(5):376-384(2010)
- Lamesch, P., et al. Genomics 89(3):307-315(2007)
- Kuja-Panula, J., et al. J. Cell Biol. 160(6):963-973(2003)

cycles.

### **Precautions**

AMIGO1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### **AMIGO1 Antibody (C-term) - Protein Information**

**Name** AMIGO1 ([HGNC:20824](#))

### **Function**

Promotes growth and fasciculation of neurites from cultured hippocampal neurons. May be involved in fasciculation as well as myelination of developing neural axons. May have a role in regeneration as well as neural plasticity in the adult nervous system. May mediate homophilic as well as heterophilic cell-cell interaction and contribute to signal transduction through its intracellular domain. Assembled with KCNB1 modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1.

### **Cellular Location**

Cell membrane

{ECO:0000250|UniProtKB:Q80ZD8};

Single-pass type I membrane protein

{ECO:0000250|UniProtKB:Q80ZD8}

Perikaryon

{ECO:0000250|UniProtKB:Q80ZD8}. Cell

projection, dendrite

{ECO:0000250|UniProtKB:Q80ZD8}. Cell

projection, axon

{ECO:0000250|UniProtKB:Q80ZD7}.

Note=Colocalizes with KCNB1 at high-density somatodendritic clusters on the surface of hippocampal and cortical neurons. Associated with axons of neuronal cells {ECO:0000250|UniProtKB:Q80ZD7, ECO:0000250|UniProtKB:Q80ZD8}

### **AMIGO1 Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)