

**AMIGO1 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13681b****Specification**

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**AMIGO1 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q86WK6](#)**AMIGO1 Antibody (C-term) Blocking peptide - 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))  
HGNC:20824

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13681b was selected from the C-term region of AMIGO1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**AMIGO1 Antibody (C-term) Blocking peptide - 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) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

### **AMIGO1 Antibody (C-term) Blocking peptide - Images**

### **AMIGO1 Antibody (C-term) Blocking peptide - 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) Blocking peptide - 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)