

**AMIGO Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS16779****Specification**

---

**AMIGO Antibody (C-Terminus) - Product Information**

Application	IHC, IF, WB
Primary Accession	<a href="#">Q86WK6</a>
Other Accession	<a href="#">57463</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	55239

**AMIGO Antibody (C-Terminus) - Additional Information****Gene ID** 57463**Other Names**

AMIGO1, ALI2, AMIGO-1, Amphoterin-induced protein 1, KIAA1163, Alivin-2, AMIGO

**Target/Specificity**

AMIGO1 antibody is human, mouse, and rat reactive. AMIGO1 antibody is predicted to not cross-react with AMIGO2 or AMIGO3.

**Reconstitution & Storage**

PBS, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

**Precautions**

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

**AMIGO Antibody (C-Terminus) - 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

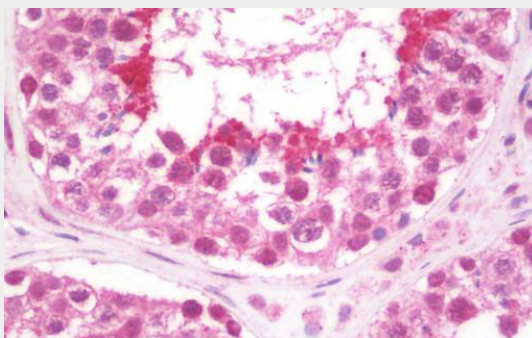
projection, dendrite {ECO:0000250|UniProtKB:Q80ZD8}. Cell projection, axon {ECO:0000250|UniProtKB:Q80ZD7}. Note=Colocalizes with KCNB1 at high- density somatodendritic clusters on the surface of hippocampal and cortical neurons. Associated with axons of neuronal cells {ECO:0000250|UniProtKB:Q80ZD7, ECO:0000250|UniProtKB:Q80ZD8}

### AMIGO Antibody (C-Terminus) - Protocols

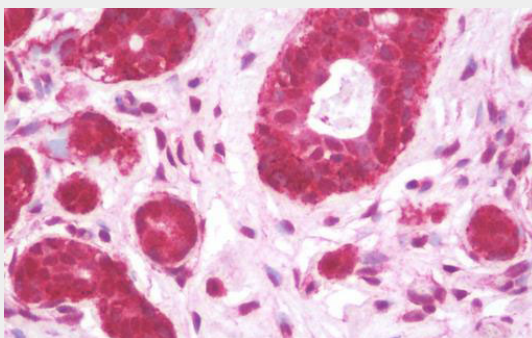
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

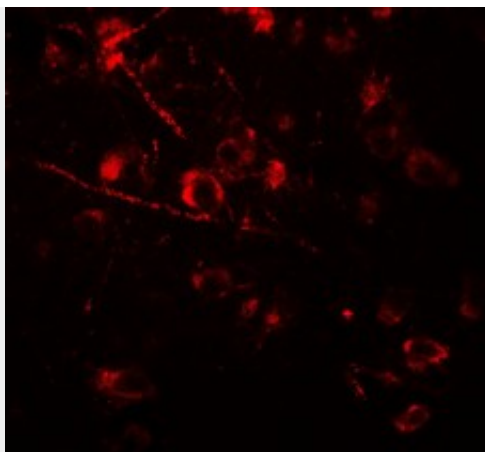
### AMIGO Antibody (C-Terminus) - Images



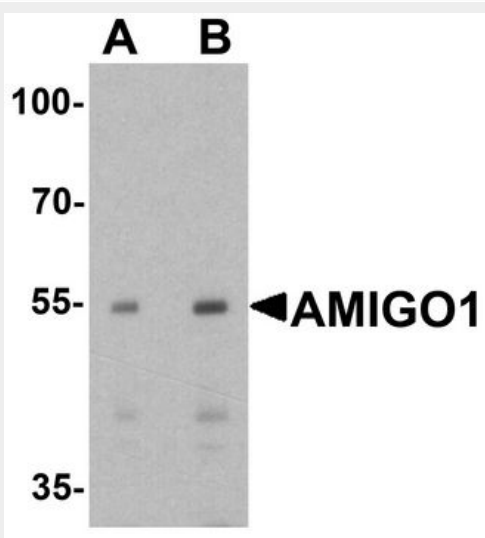
Anti-AMIGO antibody IHC staining of human testis.



Anti-AMIGO antibody IHC staining of human breast.



Immunofluorescence of AMIGO1 in human brain tissue with AMIGO1 antibody at 20 µg/mL.



Western blot analysis of AMIGO1 in HeLa cell lysate with AMIGO1 antibody at (A) 1 and (B) 2 µg/ml.

#### **AMIGO Antibody (C-Terminus) - Background**

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).

#### **AMIGO Antibody (C-Terminus) - References**

- Kuja-Panula J., et al. J. Cell Biol. 160:963-973(2003).
- Ota T., et al. Nat. Genet. 36:40-45(2004).
- Gregory S.G., et al. Nature 441:315-321(2006).
- Hirosawa M., et al. DNA Res. 6:329-336(1999).
- Dephoure N., et al. Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).