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

Specification

AMIGO Antibody (C-Terminus) - Product Information

Application	**WB, IHC-P, IF, E**
Primary Accession	Q86WK6
Other Accession	57463
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**55239**
Dilution	**WB~~1:1000** **IHC-P~~N/A** **IF~~1:50~200** **E~~N/A**

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.

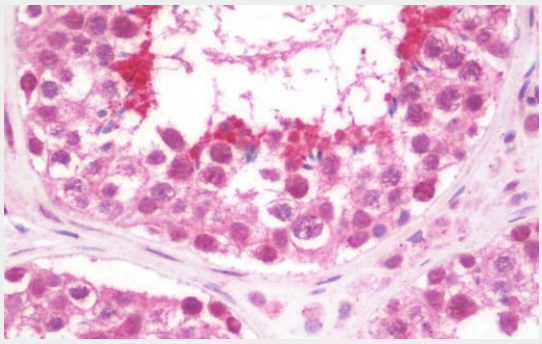
Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q80ZD8}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q80ZD8} Perikaryon {ECO:0000250|UniProtKB:Q80ZD8}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q80ZD8}. Cell projection, axon {ECO:0000250|UniProtKB:Q80ZD7}. Note=Colocalizes 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

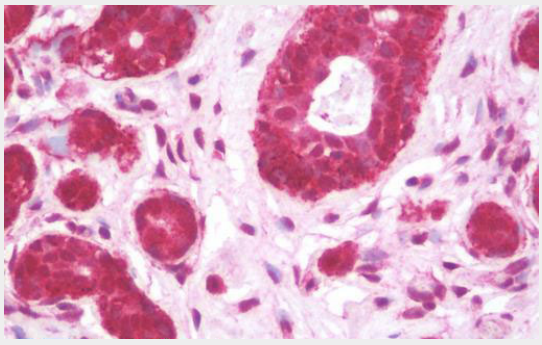
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AMIGO Antibody (C-Terminus) - Images



Anti-AMIGO antibody IHC staining of human testis.



Anti-AMIGO antibody IHC staining of human breast.

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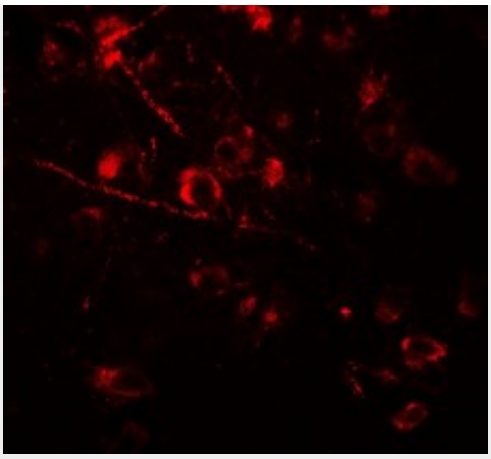
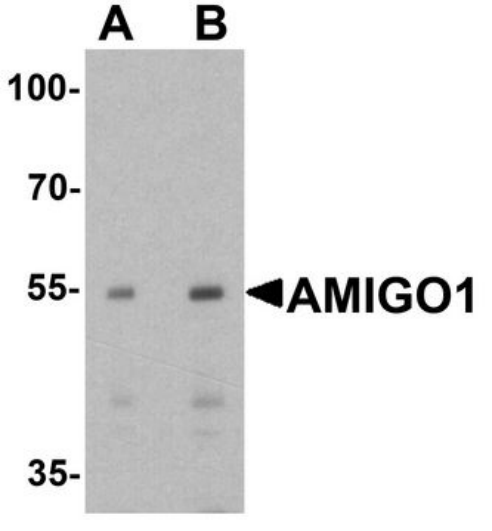


Immunofluorescence of AMIGO1 in human brain tissue with AMIGO1 antibody at 20 µg/mL.



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

AMIGO Antibody (C-Terminus) - Background

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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).