

AMIGO3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58810**Specification****AMIGO3 Polyclonal Antibody - Product Information**

Application	IHC-F, ICC, E
Primary Accession	Q86WK7
Reactivity	Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human AMIGO3
Epitope Specificity	233-300/504
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single-pass type I membrane protein
SIMILARITY	Belongs to the immunoglobulin superfamily. AMIGO family. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 6 LRR (leucine-rich) repeats. Contains 1 LRRCT domain. Contains 1 LRRNT domain.
SUBUNIT	Binds AMIGO1 or AMIGO2 (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

The amphoterin-induced gene and ORF (AMIGO) family of proteins consists of AMIGO1, AMIGO2 and AMIGO3. All three members are single pass type I membrane proteins that contain several leucine-rich repeats, one IgG domain, and a transmembrane domain. The AMIGO proteins are specifically expressed on fiber tracts of neuronal tissues and participate in their formation. The AMIGO proteins can form complexes with each other, but can also bind itself. AMIGO1, also designated Alivin-2, promotes growth and fasciculation of neurites and plays a role in myelination and fasciculation of developing neural axons. In cerebellar neurons, AMIGO2 (Alivin-1) is crucial for depolarization-dependent survival. Similar to AMIGO1 and AMIGO2, AMIGO3 (Alivin-3) plays a role in homophilic and/or heterophilic cell-cell interaction and signal transduction.

AMIGO3 Polyclonal Antibody - Additional Information**Gene ID 386724**

Other Names

Amphoterin-induced protein 3, AMIGO-3, Alivin-3, AMIGO3 {ECO:0000312|EMBL:AAO48944.1}

Dilution

IHC-F~~N/A<br \><span class
="dilution_ICC">ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

AMIGO3 Polyclonal Antibody - Protein Information

Name AMIGO3 {ECO:0000312|EMBL:AAO48944.1}

Function

May mediate heterophilic cell-cell interaction. May contribute to signal transduction through its intracellular domain (By similarity).

Cellular Location

Membrane; Single-pass type I membrane protein

AMIGO3 Polyclonal Antibody - 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](#)

AMIGO3 Polyclonal Antibody - Images