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AMIGO3 Rabbit pAb

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Catalog # AP58810

Product Information

Primary Accession	Q86WK7
Predicted	Pig, Human, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55250
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
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.

Additional Information

Gene ID	386724
Other Names	Amphoterin-induced protein 3, AMIGO-3, Alivin-3, AMIGO3 {ECO:0000312|EMBL:AAO48944.1}
Dilution	ICC/IF=1:100-500,ELISA=1:5000-10000
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.

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

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.