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Rabbit Anti-AMIGO3 antibody

SL7959R

Product Name:	AMIGO3
Chinese Name:	粘附分子IgG样结构域蛋白3抗体
Alias:	Adhesion molecule with Ig like domain 3; ALI3; Alivin 3; AMIGO 3; Amphoterin induced gene and ORF 3; Amphoterin induced protein 3 precursor.AMGO3_HUMAN
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Pig,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	52kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human AMIGO3:233-300/504<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

Function:
AMIGO3 may mediate heterophilic cell-cell interaction and may also contribute to signal transduction through its intracellular domain.

Subunit:
Binds AMIGO1 or AMIGO2 (By similarity).

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.

SWISS:
Q86WK7

Gene ID:
386724

Database links:

Entrez Gene: 386724Human

SwissProt: Q86WK7Human

Unigene: 567903Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.