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AMIGO2 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP13394b

Specification

AMIGO2 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q86SJ2

AMIGO2 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 347902

Other Names
Amphoterin-induced protein 2, AMIGO-2, Alivin-1, Differentially expressed in gastric adenocarcinomas, DEGA, AMIGO2 {ECO:0000312|EMBL:AAH475951}

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13394b was selected from the C-term region of AMIGO2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

AMIGO2 Antibody (C-term) Blocking peptide - Protein Information

Name AMIGO2 {ECO:0000312|EMBL:AAH47595.1}

Function
Required for depolarization-dependent survival of cultured cerebellar granule neurons. May mediate homophilic as well as heterophilic cell-cell interaction with AMIGO1 or AMIGO3. May contribute to signal transduction through its intracellular domain. May be required for tumorigenesis of a subset of gastric adenocarcinomas.

Cellular Location
Cell membrane; Single-pass type I membrane protein. Nucleus. Note=Associated with nucleus as well as plasma membrane. Restricted to somata of cerebellar as well as hippocampal neurons (By similarity)

Tissue Location
Highest levels in breast, ovary, cervix, and uterus. Lower levels in lung, colon, and rectum.

Differentially expressed in 56% of thyroid, 57% of pancreatic and 45% of stomach cancers.

AMIGO2 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

AMIGO2 Antibody (C-term) Blocking peptide - Images

AMIGO2 Antibody (C-term) Blocking peptide - Background

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AMIGO2 Antibody (C-term) Blocking peptide - References

Rabenau, K.E., et al. Oncogene 23(29):5056-5067(2004)Ono, T., et al. J. Neurosci. 23(13):5887-5896(2003)Kuja-Panula, J., et al. J. Cell Biol. 160(6):963-973(2003)