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AMICA1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17456A

Specification

AMICA1 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q86YT9
Other Accession	NP_001091996.1, NP_694938.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**44339**
Antigen Region	**43-72**

AMICA1 Antibody (N-term) - Additional Information

Gene ID 120425

Other Names
Junctional adhesion molecule-like, Adhesion molecule interacting with CXADR antigen 1, Dendritic cell-specific protein CREA7-1, AMICA1, JAML

Target/Specificity
This AMICA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 43-72 amino acids from the N-terminal region of human AMICA1.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
AMICA1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

AMICA1 Antibody (N-term) - Protein Information

Name JAML (HGNC:19084)

Synonyms AMICA1

Function Transmembrane protein of the plasma membrane of leukocytes that control their migration and activation through interaction with CXADR, a plasma membrane receptor found on adjacent epithelial and endothelial cells. The interaction between both receptors mediates the activation of gamma-delta T-cells, a subpopulation of T-cells residing in epithelia and involved in tissue homeostasis and repair. Upon epithelial CXADR-binding, JAML induces downstream cell signaling events in gamma-delta T-cells through PI3-kinase and MAP kinases. It results in proliferation and production of cytokines and growth factors by T- cells that in turn stimulate epithelial tissues repair. It also controls the transmigration of leukocytes within epithelial and endothelial tissues through adhesive interactions with epithelial and endothelial CXADR.

Cellular Location
Cell membrane; Single-pass type I membrane protein. Cell junction. Note=Localized at the plasma membrane and enriched in areas of cell-cell contacts (PubMed:12869515)

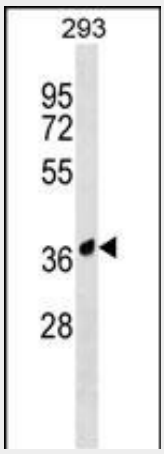
Tissue Location
Expression is restricted to the hematopoietic tissues with the exception of liver. Expressed in fetal liver, spleen and thymus. Preferentially expressed by mature leukocytes (at protein level).

AMICA1 Antibody (N-term) - 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

AMICA1 Antibody (N-term) - Images



AMICA1 Antibody (N-term) (Cat. #AP17456a) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the AMICA1 antibody detected the AMICA1 protein (arrow).

AMICA1 Antibody (N-term) - Background

AMICA1 may function in transmigration of leukocytes through epithelial and endothelial tissues. Expressed at the plasma membrane of polymorphonuclear leukocytes, it mediates adhesive

interactions with CXADR, a protein of the junctional complex of epithelial cells. Enhances myeloid leukemia cell adhesion to endothelial cells.

AMICA1 Antibody (N-term) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Luissint, A.C., et al. J. Cell Biol. 183(6):1159-1173(2008)
Zen, K., et al. Mol. Biol. Cell 16(6):2694-2703(2005)
Zhang, Z., et al. Protein Sci. 13(10):2819-2824(2004)
Moog-Lutz, C., et al. Blood 102(9):3371-3378(2003)