10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

JAML Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56603

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q86YT9
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44339

Additional Information

Gene ID	120425
Other Names	Junctional adhesion molecule-like {ECO:0000312|HGNC:HGNC:19084}, Adhesion molecule interacting with CXADR antigen 1, Dendritic cell-specific protein CREA7-1, JAML (HGNC:19084), AMICA1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,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	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).

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