

LIME1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14247b

Product Information

Application	WB, E
Primary Accession	Q9H400
Other Accession	NP_060276.2
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34286
Calculated MW	31288
Antigen Region	190-219

Additional Information

Gene ID	54923
Other Names	Lck-interacting transmembrane adapter 1, Lck-interacting membrane protein, Lck-interacting molecule, LIME1, LIME
Target/Specificity	This LIME1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 190-219 amino acids from the C-terminal region of human LIME1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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	LIME1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LIME1
Synonyms	LIME

Function	Involved in BCR (B-cell antigen receptor)-mediated signaling in B-cells and TCR (T-cell antigen receptor)-mediated T-cell signaling in T-cells. In absence of TCR signaling, may be involved in CD4- mediated inhibition of T-cell activation. Couples activation of these receptors and their associated kinases with distal intracellular events such as calcium mobilization or MAPK activation through the recruitment of PLCG2, GRB2, GRAP2, and other signaling molecules.
Cellular Location	Cell membrane; Single-pass type III membrane protein Note=Present in lipid rafts. Recruited to the immunological synapse upon conjugation of T-cell with antigen-presenting cell
Tissue Location	Expressed in peripheral blood lymphocytes, lymphoid tissues, and liver. Present in T-cells and plasma cells, and in various hematopoietic cell lines (at protein level)

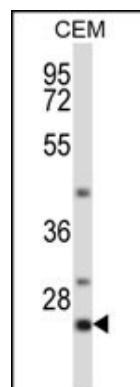
Background

LIME1 is a raft-associated transmembrane adaptor phosphoprotein that is preferentially expressed in hemopoietic cells, particularly T cells (Brdickova et al., 2003 [PubMed 14610046]; Hur et al., 2003 [PubMed 14610044]).

References

Ahn, E., et al. Blood 107(4):1521-1527(2006)
 Tedoldi, S., et al. Blood 107(1):213-221(2006)
 Wan, D., et al. Proc. Natl. Acad. Sci. U.S.A. 101(44):15724-15729(2004)
 Brdickova, N., et al. J. Exp. Med. 198(10):1453-1462(2003)
 Hur, E.M., et al. J. Exp. Med. 198(10):1463-1473(2003)

Images



LIME1 Antibody (C-term) (Cat. #AP14247b) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the LIME1 antibody detected the LIME1 protein (arrow).

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