



## Rabbit Anti-LIME antibody

SL18275R

<b>Product Name:</b>	LIME
<b>Chinese Name:</b>	LCK相互作用膜蛋白抗体
<b>Alias:</b>	dJ583P15.4; FLJ20406; LIME1_HUMAN; Lck interacting membrane protein; Lck interacting molecule; Lck interacting transmembrane adaptor 1; LIME 1; LIME1; LP8067; RP4 583P15.5.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,
<b>Applications:</b>	ELISA=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.
<b>Molecular weight:</b>	32kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human LIME:31-130/295
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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]).[supplied by OMIM, Mar 2008]  <b>Function:</b>

LIME (Lck-interacting molecule) is a new raft-associated adaptor protein involved in regulation of T cell activation by coreceptors. LIME becomes tyrosine phosphorylated after cross-linking of the CD4 or CD8 coreceptors. Phospho-LIME associates with the Src family kinase Lck and its negative regulator, Csk. Ectopic expression of LIME in Jurkat T cells results in an increase of Csk in lipid rafts, increased phosphorylation of Lck and higher Ca<sup>2+</sup> response to CD3 stimulation.

**Subcellular Location:**

Cell membrane; Single-pass type III membrane protein. Present in lipid rafts. Recruited to the immunological synapse upon conjugation of T cell with antigen presenting cell

**SWISS:**  
Q9H400

**Gene ID:**  
54923

**Database links:**

[Entrez Gene: 54923](#) Human

[Omim: 609809](#) Human

[SwissProt: Q9H400](#) Human

[Unigene: 233220](#) Human

**Important Note:**

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