



Rabbit Anti-SIKE1 antibody

SL17492R

Product Name:	SIKE1
Chinese Name:	SIKE1蛋白抗体
Alias:	RGD1311316; RP5-1000E10.4; SIKE; sike1; SIKE1_HUMAN; Suppressor of IKBKE 1; Suppressor of IKK-epsilon.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	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.
Molecular weight:	24kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SIKE1:1-100/207
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	SIKE interacts with IKK-epsilon (IKBKE; MIM 605048) and TBK1 (MIM 604834) and acts as a suppressor of TLR3 (MIM 603029) and virus-triggered interferon activation pathways (Huang et al., 2005 [PubMed 16281057]).[supplied by OMIM, Mar 2008] Function: Physiological suppressor of IKK-epsilon and TBK1 that plays an inhibitory role in

virus- and TLR3-triggered IRF3. Inhibits TLR3-mediated activation of interferon-stimulated response elements (ISRE) and the IFN-beta promoter. May act by disrupting the interactions of IKBKE or TBK1 with TICAM1/TRIF, IRF3 and DDX58/RIG-I. Does not inhibit NF-kappa-B activation pathways.

Subunit:

Interacts with IKBKE and TBK1 via its coiled coil region. Interaction with TBK1 is disrupted upon viral infection or TLR3 stimulation.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Widely expressed. Expressed in brain, heart, skeletal muscle, colon, thymus, spleen, kidney, liver, small intestine, placenta, lung and leukocytes. Present in all cell lines tested (at protein level).

Post-translational modifications:

Phosphorylated upon DNA damage, probably by ATM or ATR.

Similarity:

Belongs to the SIKE family.

SWISS:

Q9BRV8

Gene ID:

80143

Database links:

[Entrez Gene: 80143](#) Human

[Entrez Gene: 66641](#) Mouse

[Entrez Gene: 362007](#) Rat

[Omim: 611656](#) Human

[SwissProt: Q9BRV8](#) Human

[SwissProt: Q9CPR7](#) Mouse

[SwissProt: Q5FWT9](#) Rat

[Unigene: 709277](#) Human

[Unigene: 208619](#) Mouse

[Unigene: 9125](#) Rat

Important Note:

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

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