



Rabbit Anti-RASSF5 antibody

SL11168R

Product Name:	RASSF5
Chinese Name:	RASSF5抗体
Alias:	ras association domain-containing family protein 5; RASF5_HUMAN; New ras effector 1; Regulator for cell adhesion and polarization enriched in lymphoid tissues; RAPL; Nore1; Rapl.
文献引用 PubMed :	Specific References(1) SL11168R has been referenced in 1 publications. [IF=5.90]Yang, Rui, et al. "Rassf5 and Ndr kinases act in a novel pathway regulating neuronal polarity through Par3 phosphorylation." Journal of Cell Science (2014): jcs-146696. Mouse. PubMed:24928906
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,
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:	46kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RASSF5:321-418/418
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:	<p>This gene is a member of the Ras association domain family. It functions as a tumor suppressor, and is inactivated in a variety of cancers. The encoded protein localizes to centrosomes and microtubules, and associates with the GTP-activated forms of Ras, Rap1, and several other Ras-like small GTPases. The protein regulates lymphocyte adhesion and suppresses cell growth in response to activated Rap1 or Ras. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008].</p> <p>Function: Potential tumor suppressor. Seems to be involved in lymphocyte adhesion by linking RAP1A activation upon T-cell receptor or chemokine stimulation to integrin activation. Isoform 2 stimulates lymphocyte polarization and the patch-like distribution of ITGAL/LFA-1, resulting in an enhanced adhesion to ICAM1. Together with RAP1A may participate in regulation of microtubule growth. The association of isoform 2 with activated RAP1A is required for directional movement of endothelial cells during wound healing. May be involved in regulation of Ras apoptotic function. The RASSF5-STK4/MST1 complex may mediate HRAS1 and KRAS induced apoptosis.</p> <p>Subunit: Interacts directly with activated HRAS1; a RASSF5-STK4/MST1 complex probably associates with activated HRAS1. Interacts with KRAS. Probably interacts with Ras-like GTPases RRAS, RRAS2, MRAS, RAP1B, RAP2A and RALA. Can self-associate. Interacts with RSSF1 isoform A. The RSSF1 isoform A-RSSF5 heterodimer probably mediates the association of RSSF1 with HRAS1. Isoform 2 interacts with activated RAP1A and ITGAL/LFA-1. Binds STK4/MST1, inhibiting STK4/MST1 autoactivation.</p> <p>Subcellular Location: Cytoplasm. Cytoplasm, cytoskeleton. unstimulated primary T-cells. Upon stimulation translocates to the leading edge and colocalizes with ITGAL/LFA-1 in the peripheral zone of the immunological synapse. Isoform 2 is localized to growing microtubules in vascular endothelial cells and is dissociated from microtubules by activated RAP1A.</p> <p>Tissue Specificity: Widely expressed. Frequently down-regulated in lung tumor cell lines and primary lung tumors.</p> <p>Similarity: Contains 1 phorbol-ester/DAG-type zinc finger. Contains 1 Ras-associating domain. Contains 1 SARA domain.</p> <p>SWISS: Q8WWW0</p>

Gene ID:
83593

Database links:

[Entrez Gene: 83593](#)Human

[Entrez Gene: 54354](#)Mouse

[Entrez Gene: 54355](#)Rat

[Omim: 607020](#)Human

[SwissProt: Q8WWW0](#)Human

[SwissProt: Q5EBH1](#)Mouse

[SwissProt: O35141](#)Rat

[Unigene: 497579](#)Human

[Unigene: 248291](#)Mouse

[Unigene: 36106](#)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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