

RASF5 Rabbit pAb

CatalogNo: YT6737

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IF, ELISA, IHC

MW

- 46kD (Calculated)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000**IF/ICC 1:50-200****ELISA 1:2000-20000****IHC 1:50-200**

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human RASF5 AA range: 234-284**Specificity** This antibody detects endogenous levels of RASF5 at Human/Mouse/Rat

Target Information

Gene name RASSF5 NORE1 RAPL

Protein Name RASF5

Organism	Gene ID	UniProt ID
Human	83593 ;	Q8WWW0 ;
Mouse	54354 ;	Q5EBH1 ;
Rat	54355 ;	O35141 ;

Cellular Localization

Cytoplasm. Cytoplasm, cytoskeleton. Isoform 2 is mainly located in the perinuclear region of 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.

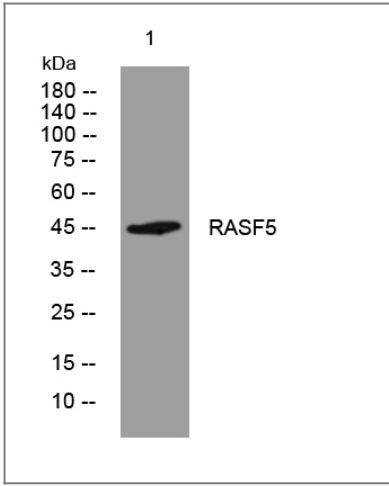
Tissue specificity

Widely expressed. Frequently down-regulated in lung tumor cell lines and primary lung tumors.

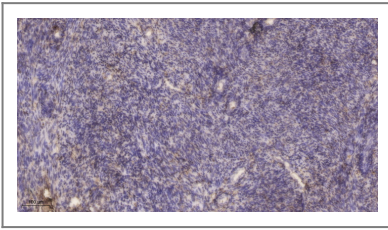
Function

Caution:Has been termed RASSF3 by Ref.3.,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 complex may mediate HRAS1 and KRAS induced apoptosis.,similarity:Contains 1 phorbol-ester/DAG-type zinc finger.,similarity:Contains 1 Ras-associating domain.,similarity:Contains 1 SARAH domain.,subcellular location:Isoform 2 is mainly located in the perinuclear region of 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.,subunit:Interacts directly with activated HRAS1; a RASSF5-STK4 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 (By similarity). Isoform 2 interacts with activated RAP1A and ITGAL/LFA-1. Binds STK4/MST1, inhibiting STK4 autoactivation.,tissue specificity:Widely expressed. Frequently down-regulated in lung tumor cell lines and primary lung tumors.,

| Validation Data



Western blot analysis of lysates from HeLa cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human uterus. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

Contact information

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RASF5 Rabbit pAb

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