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Rabbit Anti-MICALL1/MIRab13 antibody

SL18935R

Product Name:	MICALL1/MIRab13
Chinese Name:	MICAL样蛋白1抗体
Alias:	DKFZp686M2226; FLJ45921; KIAA1668; MICAL-L1; MICAL-like 1; MICAL-like protein 1; Micall1; MILK1_HUMAN; MIRab13; Molecule interacting with Rab13.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,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:	93kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MICALL1/MIRab13:401-500/863
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:	MIRAB13 is an 863 amino acid cytoplasmic protein belonging to the MICAL family that contains one CH (calponin-homology) domain, one LIM zinc-binding domain and two unique asparagine-proline-phenylalanine motifs, which are known to interact with EH-domains. Considered a cytoskeletal regulator, MIRAB13 associates with Rab 13, a tight junction protein, as well as EHD, a key regulator of ligand-induced endocytosis

and recycling. MIRAB13 is encoded by a gene located on human chromosome 22, which houses over 500 genes and is the second smallest human chromosome. Mutations in several of the genes that map to chromosome 22 are involved in the development of Phelan-McDermid syndrome, Neurofibromatosis type 2, autism and schizophrenia.

Function:
May be a cytoskeletal regulator.

Subcellular Location:
Cytoplasm > cytoskeleton.

Similarity:
Contains 1 CH (calponin-homology) domain.
Contains 1 LIM zinc-binding domain.

SWISS:
N3F8

Gene ID:
85377

Database links:

Entrez Gene: 85377 Human

SwissProt: Q8N3F8 Human

Unigene: 517610 Human

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