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Rabbit Anti-CMYA2/PDE4DIP antibody

SL9477R

Product Name:	CMYA2/PDE4DIP
Chinese Name:	心肌病相关蛋白2抗体
Alias:	Cardiomyopathy associated protein 2; Cardiomyopathy-associated protein 2; CMYA2; MMGL; MYOME_HUMAN; Myomegalin; Pde4dip; Phosphodiesterase 4D interacting protein; Phosphodiesterase 4D-interacting protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,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:	265kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CMYA2/PDE4DIP:1501-1600/2365
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:	May function as an anchor sequestering components of the cAMP-dependent pathway to Golgi and/or centrosomes. Myomegalin, is a 2,346 amino acid protein that contains one NBPF domain and localizes to the nucleus, cytoplasm, centrosome and Golgi apparatus. Expressed at high levels in fetal and adult heart and at lower levels in brain

and placenta, myomegalin is thought to function as an anchoring protein that sequesters members of the cAMP-dependent pathway to the Golgi and to centrosomes, thereby mediating cAMP pathway dynamics. Translocations in the gene that encodes myomegalin are associated with myeloproliferative disorders (MBDs), a group of diseases caused by an overproduction of blood cells. Myomegalin exists as twelve isoforms due to alternative splicing events.

Function:
May function as an anchor sequestering components of thecAMP-dependent pathway to Golgi and/or centrosomes (By similarity).

Subunit:
Interacts with PDE4D (By similarity).

Subcellular Location:
Golgi apparatus (By similarity). Cytoplasm,cytoskeleton, centrosome (By similarity). Cytoplasm. Nucleus.

Tissue Specificity:
Highly expressed in heart and skeletal muscle and to a lower extent in brain and placenta.

DISEASE:
Note=A chromosomal aberration involving PDE4DIP may bethe cause of a myeloproliferative disorder (MBD) associated witheosinophilia. Translocation t(1;5)(q23;q33) that forms aPDE4DIP-PDGFRB fusion protein.

Similarity:
Contains 1 NBPF domain.

SWISS:
Q5VU43

Gene ID:
9659

Database links:

Entrez Gene: 9659Human

Entrez Gene: 83679Mouse

Entrez Gene: 64183Rat

Omim: 608117Human

SwissProt: Q5VU43Human

	SwissProt: Q80YT7Mouse SwissProt: Q9WUJ3Rat Unigene: 584841Human Unigene: 613082Human Unigene: 657490Human Unigene: 728768Human Unigene: 129840Mouse Unigene: 48693Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.