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PP4R3B Rabbit pAb

Catalog # AP97439

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q5MIZ7
Other Accession	Q5MIZ7
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	97458
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SMEK2/PP4R3B
Epitope Specificity	701-800/849
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the SMEK family. Contains 1 WH1 domain.
SUBUNIT	Serine/threonine-protein phosphatase 4 (PP4) occurs in different assemblies of the catalytic and one or more regulatory subunits. Component of the PP4 complex PPP4C-PPP4R2-PPP4R3B.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	SMEK2 contains a WH1 domain. There are five named isoforms produced by alternative splicing. Mapping of a diet-induced hypercholesterolemia locus (Dihc2) in rats identified SMEK2 as a strong candidate for responsiveness to dietary cholesterol.

Additional Information

Gene ID	57223
Other Names	FLFL2; PP4R3B; PSY2; SMEK2; smk1; mKIAA1387; P4R3B_HUMAN; PPP4R3B; SMEK homolog 2; KIAA1387; P4R3B_MOUSE; protein phosphatase 4 regulatory subunit 3B; SMEK homolog 2, suppressor of mek1 (Dictyostelium); protein phosphatase 4, regulatory subunit 3B
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	PPP4R3B (HGNC:29267)
Function	Regulatory subunit of serine/threonine-protein phosphatase 4 (PP4). May regulate the activity of PPP4C at centrosomal microtubule organizing centers.
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Nucleus Note=In interphase localized in the cytoplasm and (with higher levels) the nucleus. During metaphase located in pericentriolar regions
Tissue Location	Moderately expressed in tissues and specific brain regions examined.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.