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PIP5KL1 Rabbit pAb

Catalog # AP99136

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q5T9C9
Other Accession	Q5T9C9
Reactivity	Rat, Mouse
Predicted	Human, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44572
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PIP5KL1
Epitope Specificity	101-220/394
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 PIPK domain.
SUBUNIT	Heterodimerizes with other type I phosphatidylinositol 4-phosphate 5-kinase.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	PIPKH, also known as PIP5KL1 (phosphatidylinositol-4-phosphate 5-kinase-like 1), is a 394 amino acid phosphoinositide kinase-like protein that contains one PIPK domain. Although PIPKH lacks intrinsic lipid kinase activity, it associates with type I PIPKs and may play a role in localization of PIPK activity. Encoded by a gene that maps to human chromosome 9q34.11, PIPKH localizes to cytoplasm, specifically to large cytoplasmic vesicular structures, and exists as two alternatively spliced isoforms. Highly expressed in brain and testis, PIPKH is also expressed at very low levels in heart, spleen, lung, liver, skeletal muscle and kidney. PIPKH heterodimerizes with other type I phosphatidylinositol-4-phosphate 5-kinases, and may function as a scaffold to localize and regulate kinases to specific cell compartments. Overexpression of PIPKH may suppress cell proliferation and migration in human gastric cancer cells and may also inhibit cervical cancer formation.

Additional Information

Gene ID	138429
Other Names	PIPKH; PI5L1_HUMAN; PIP5KL1; PI(4)P 5-kinase-like protein 1; PtdIns(4)P-5-kinase-like protein 1; 2.7.1.68; phosphatidylinositol-4-phosphate 5-kinase like 1; phosphatidylinositol-4-phosphate 5-kinase-like 1; phosphatidylinositol phosphate kinase homolog
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	PIP5KL1 (HGNC:28711)
Function	Likely functions as a regulatory or scaffold-like protein that modulates the subcellular localization and activity of type I PI(4)P 5-kinases (PIPKs) (By similarity). Lacks intrinsic lipid kinase activity (By similarity).
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:Q6U7H8}. Membrane {ECO:0000250|UniProtKB:Q6U7H8}

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