10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

IPPK Rabbit pAb

IPPK Rabbit pAb
Catalog # AP56360

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9H8X2
Predicted	Rat, Human, Mouse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56017
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human IPPK
Epitope Specificity	351-450/491
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Nucleus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a kinase that phosphorylates position 2 of inositol-1,3,4,5,6-pentakisphosphate to form inositol-1,2,3,4,5,6-hexakisphosphate (InsP6). InsP6 has a variety of functions, including stimulation of DNA repair, endocytosis, and mRNA export. [provided by RefSeq, Nov 2010]

Additional Information

Gene ID	64768
Other Names	Inositol-pentakisphosphate 2-kinase, 2.7.1.158, IPK1 homolog, Inositol-1, 3, 4, 5, 6-pentakisphosphate 2-kinase, Ins(1, 3, 4, 5, 6)P5 2-kinase, InsP5 2-kinase, IPPK, C9orf12
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	IPPK

Synonyms	C9orf12
Function	Phosphorylates Ins(1,3,4,5,6)P5 at position 2 to form Ins(1,2,3,4,5,6)P6 (InsP6 or phytate). InsP6 is involved in many processes such as mRNA export, non-homologous end-joining, endocytosis, ion channel regulation. It also protects cells from TNF-induced apoptosis.
Cellular Location	Cytoplasm. Nucleus.
Tissue Location	Ubiquitously expressed, with high expression in heart, brain, testis and placenta.

Background

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

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