

IPPK Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51286

Product Information

Application	WB, IP, ICC, IHC-P
Primary Accession	Q9H8X2
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56017

Additional Information

Gene ID	64768
Other Names	Inositol-pentakisphosphate 2-kinase, IPK1 homolog, Inositol-1, 6-pentakisphosphate 2-kinase, Ins(1, 6)P5 2-kinase, InsP5 2-kinase, IPPK, C9orf12
Dilution	WB~~1:1000 IP~~N/A ICC~~N/A IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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-alpha-induced apoptosis.
Cellular Location	Cytoplasm. Nucleus.
Tissue Location	Ubiquitously expressed, with high expression in heart, brain, testis and placenta.

Background

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-alpha-induced apoptosis.

References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).
Humphray S.J.,et al.Nature 429:369-374(2004).
Verbsky J.,et al.J. Biol. Chem. 280:29263-29268(2005).

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