PIP5K1B Conjugated Antibody

Catalog No: #C36234

Package Size: #C36234-AF350 100ul #C36234-AF405 100ul #C36234-AF488 100ul #C36234-AF555 100ul #C36234-AF594 100ul #C36234-AF647 100ul #C36234-AF680 100ul #C36234-AF750 100ul #C36234-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	PIP5K1B Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total PIP5K1B protein.
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human phosphatidylinositol-4-phosphate 5-kinase, type I, beta
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	MSS4; STM7
Accession No.	Swiss-Prot#:O14986NCBI Gene ID:8395NCBI Protein#:BC030587
Uniprot	O14986
GeneID	8395;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Phosphatidylinositol-4-phosphate-5-kinase (PIPK) synthesizes phosphatidylinositol-4,5-bisphosphate, which regulates various processes including cell proliferation, survival, membrane trafficking, and cytoskeletal organization. The PIPK family is divided into type I, type II and type III . Each type of the PIPK family phosphorylate distinct substrates and they contain an activation loop, which determines their enzymatic specificity and subcellular targeting . The phosphatidylinositol-4-phosphate-5-kinase type I consists of three members, PIPK I ?, oΩ½oΩ½, and ?, which are characterized by phosphorylating PI4P on the 5-hydroxyl . PIPK I ? (designated PIPK I oΩ½oΩ½ in mouse) is expressed in brain tissue . PIPK I oΩ½oΩ½, designated PIPK I a in mouse, is also called STM7. PIPK I ? has two variants produced by alternative splicing which are expressed in lung, brain, and kidneys.

Note: This product is for in vitro research use only