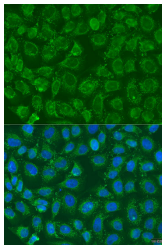


PIP5K1B Polyclonal Antibody

Catalog No.	E-AB-65557	Reactivity	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	IF	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Immunofluorescence analysis of U2OS cells using PIP5K1B Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Immunogen Information

Immunogen	Recombinant fusion protein of human PIP5K1B (NP_003549.1).
GeneID	8395
Swissprot	O14986
Synonyms	PIP5K1B,MSS4,STM7

Product Information

Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purify	Affinity purification
Dilution	IF 1:50-1:200

Background

Phosphatidylinositol-4-phosphate-5-kinase (PIP5K) synthesizes phosphatidylinositol-4,5-bisphosphate, which regulates various processes including cell proliferation, survival, membrane trafficking, and cytoskeletal organization. The PIP5K family is divided into type I, type II and type III. Each type of the PIP5K 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, PIP5K I α , PIP5K I β , and PIP5K I γ , which are characterized by phosphorylating PI4P on the 5-hydroxyl. PIP5K I β (designated PIP5K I β in mouse) is expressed in brain tissue. PIP5K I γ , designated PIP5K I γ in mouse, is also called STM7. PIP5K I has two variants produced by alternative splicing which are expressed in lung, brain, and kidneys.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.