

Datasheet

PIP5K3 monoclonal antibody (M01), clone 6C7

Catalog Number: H00200576-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant PIP5K3.

Clone Name: 6C7

Immunogen: PIP5K3 (NP_689884, 342 a.a. ~ 451 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

LQSTEFSETPSPDSDSVNSVEGHSEPSWFKDIKFDDSDTEQIAEEGDDNLANSASPSKRTSVSSFQSTVDSDSAASISLNVELDNVNFHIKKPSKYPHVPPHPADQKGR

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, IHC-P, RNAi-Ab, S-ELISA, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 200576

Gene Symbol: PIP5K3

Gene Alias: CFD, FAB1, KIAA0981, MGC40423, PIKFYVE, PIP5K

Gene Summary: PIP5K3 belongs to a large family of lipid kinases that alter the phosphorylation status of

intracellular phosphatidylinositol. Signaling by phosphorylated species of phosphatidylinositol regulates diverse cellular processes, including membrane trafficking and cytoskeletal reorganization (Shisheva et al., 1999 [PubMed 9858586]).[supplied by OMIM]

References:

1. Critical roles of type III phosphatidylinositol phosphate kinase in murine embryonic visceral endoderm and adult intestine. Takasuga S, Horie Y, Sasaki J, Sun-Wada GH, Kawamura N, Iizuka R, Mizuno K, Eguchi S, Kofuji S, Kimura H, Yamazaki M, Horie C, Odanaga E, Sato Y, Chida S, Kontani K, Harada A, Katada T, Suzuki A, Wada Y, Ohnishi H, Sasaki T. Proc Natl Acad Sci U S A. 2013 Jan 15.
2. PIKfyve regulates CaV1.2 degradation and prevents excitotoxic cell death. Tsuruta F, Green EM, Rousset M, Dolmetsch RE. J Cell Biol. 2009 Oct 19;187(2):279-94.