



Mouse anti-Human INPP5K monoclonal antibody, clone 4C5 (CABT-B10465)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	SKIP (AAH04362, 1 a.a. ~ 449 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	4C5
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	MSSRKLSGPKGRRLSIHVVTWNVASAAPPLDLSDLLQLNNRNLNPDIIYVIGLQELNSGII SLLSDDAAFNDWSWSSFLMDVLSPLSFIKVSHVRMQGILLLVFAKYQHLPYIQLSTKSTPT GLFGYWGNKGGVNICLKLYGYYVSIINCHLPPHISNNYQRLEHFDRILEMQNCEGRDIPN ILDHDLIIWFGDMNFRIEDFGLRFVRESIKNRCYGGLWEKDQLSIAKKHDPDLLREFQEGR LLFPPTYKFDRNSND
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene encodes a protein with 5-phosphatase activity toward polyphosphate inositol. The protein localizes to the cytosol in regions lacking actin stress fibers. It is thought that this protein may negatively regulate the actin cytoskeleton. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Oct 2008]
Keywords	INPP5K; inositol polyphosphate-5-phosphatase K; PPS; SKIP; inositol polyphosphate 5-phosphatase K; skeletal muscle and kidney-enriched inositol phosphatase;

GENE INFORMATION

Entrez Gene ID	51763
UniProt ID	Q9BT40
Pathway	1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), conserved biosystem; 3-phosphoinositide degradation, conserved biosystem; D-myo-inositol (1,3,4)-trisphosphate biosynthesis, conserved biosystem; D-myo-inositol (1,4,5)-trisphosphate degradation, conserved biosystem; Inositol phosphate metabolism, organism-specific biosystem; Inositol phosphate metabolism, conserved biosystem
Function	hydrolase activity; inositol 1,3,4,5-tetrakisphosphate 5-phosphatase activity; inositol bisphosphate phosphatase activity; inositol or phosphatidylinositol phosphatase activity; inositol trisphosphate phosphatase activity; inositol-1,4,5-trisphosphate 5-phosphatase activity; inositol-polyphosphate 5-phosphatase activity; lipid phosphatase activity; protein binding