



Anti-INPP5A monoclonal antibody, clone 4E9 (CABT-14330MH)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a membrane-associated type I inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase. InsP3 5-phosphatases hydrolyze Ins(1,4,5)P3, which mobilizes intracellular calcium and acts as a second messenger mediating cell responses to various stimulation. Mouse monoclonal antibody raised against a partial recombinant INPP5A.
Immunogen	INPP5A (NP_005530, 288 a.a. ~ 388 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	4E9
Conjugate	Unconjugated
Applications	WB,IP,sELISA,ELISA
Sequence Similarities	YFNQEVFRDNNGTALLEFDKELSVFKDRLYELDISFPPSYPYSEDARQGEQYMNTRCPAW CDRILMSPSAKELVLRVSVCCPSPGHRGMWSAGSGLAQPW*
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	INPP5A inositol polyphosphate-5-phosphatase, 40kDa [Homo sapiens]
Official Symbol	INPP5A
Synonyms	inositol polyphosphate-5-phosphatase, 40kDa; CTCL tumor antigen HD-CL-02; 5PTASE; inositol trisphosphate-5-phosphatase, 40kD; inositol polyphosphate-5-phosphatase, 40kD; InsP3 5-phosphatase; 43 kDa inositol polyphosphate 5-phosphatase; type I inositol-1,4,5-trisphosphate 5-phosphatase; DKFZp434A1721; type I inositol-1,4,5-trisphosphate 5-phosphatase; MGC116947; MGC116949; EC 3.1.3.56; OTTHUMP00000020777; OTTHUMP00000020775; OTTHUMP00000020776
Entrez Gene ID	3632
Protein Refseq	NP_005530
UniProt ID	Q14642
Chromosome Location	10q26.3
Pathway	1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), 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; Metabolic pathways, organism-specific biosystem.
Function	PH domain binding; hydrolase activity; inositol 1,3,4,5-tetrakisphosphate 5-phosphatase activity; inositol or phosphatidylinositol phosphatase activity; inositol-1,4,5-trisphosphate 5-phosphatase activity; inositol-polyphosphate 5-phosphatase activity