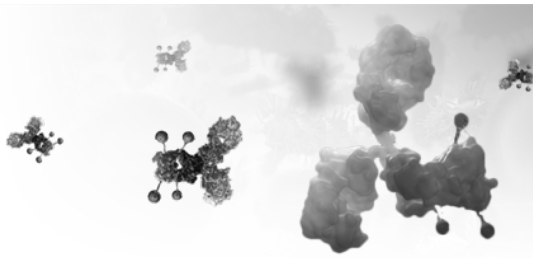

Mouse anti-Human IP6K2 monoclonal antibody, clone 2D7 (CABT-B10466)

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

PRODUCT INFORMATION

Immunogen	IP6K2 (NP_001005912, 1 a.a. ~ 71 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	2D7
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	MSPAFRAMDVEPRAKGVLLEPFVHQVGGHSCVLRFNETTLCKPLVPREHQFYETLPAEMR KFTPQYKGVS*
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 that belongs to the inositol phosphokinase (IPK) family. This protein is likely responsible for the conversion of inositol hexakisphosphate (InsP6) to

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	diphosphoinositol pentakisphosphate (InsP7/PP-InsP5). It may also convert 1,3,4,5,6-pentakisphosphate (InsP5) to PP-InsP4 and affect the growth suppressive and apoptotic activities of interferon-beta in some ovarian cancers. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Keywords	IP6K2; inositol hexakisphosphate kinase 2; PIUS; IHPK2; insp6 kinase 2; pi uptake stimulator; inositol hexaphosphate kinase 2; ATP:1D-myo-inositol-hexakisphosphate phosphotransferase;

GENE INFORMATION

Entrez Gene ID	51447
UniProt ID	Q9UHH9
Pathway	Cytokine Signaling in Immune system, organism-specific biosystem; Immune System, organism-specific biosystem; Interferon Signaling, organism-specific biosystem; Interferon alpha/beta signaling, organism-specific biosystem; inositol pyrophosphates biosynthesis, conserved biosystem; superpathway of inositol phosphate compounds, conserved biosystem
Function	ATP binding; inositol hexakisphosphate 5-kinase activity; inositol or phosphatidylinositol kinase activity; inositol trisphosphate 3-kinase activity; nucleotide binding; transferase activity

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