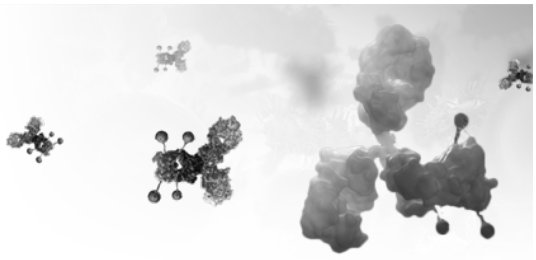

Mouse anti-Human DUSP5 monoclonal antibody, clone 5D9 (CABT-B10147)

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

PRODUCT INFORMATION

Immunogen	DUSP5 (NP_004410, 286 a.a. ~ 385 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	5D9
Conjugate	Unconjugated
Applications	WB,IF,sELISA,ELISA
Sequence Similarities	LKEAFDYIKQRRSMVSPNFGFMGQLLQYESEILPSTPNPQPPSCQGEAAGSSLIGHLQTL SPDMQGAYCTFPASVLAPVPTHSTVSELSRSPVATATSC*
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	The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the

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	phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product inactivates ERK1, is expressed in a variety of tissues with the highest levels in pancreas and brain, and is localized in the nucleus. [provided by RefSeq, Jul 2008]
Keywords	DUSP5; dual specificity phosphatase 5; DUSP; HVH3; dual specificity protein phosphatase 5; VH1-like phosphatase 3; dual specificity protein phosphatase hVH3; serine/threonine specific protein phosphatase;

GENE INFORMATION

Entrez Gene ID	1847
UniProt ID	Q16690
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem
Function	MAP kinase tyrosine/serine/threonine phosphatase activity; hydrolase activity; protein tyrosine phosphatase activity

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