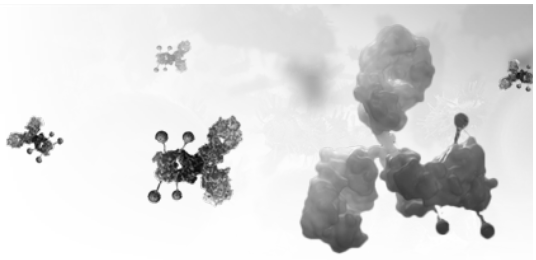

Mouse anti-Human DUSP9 monoclonal antibody, clone 3F4 (CABT-B10148)

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

PRODUCT INFORMATION

Immunogen	DUSP9 (NP_001386, 174 a.a. ~ 279 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	3F4
Conjugate	Unconjugated
Applications	WB,ELISA
Sequence Similarities	AESEADRDSMSCGLDSEGATPPPVGLRASFPVQILPNLYLGSARDSANLESLAKLGIRYI LNVTPNLPNFFEKNGDFHYKQIPISDHWSQNLSRFFPEAIEFIDE*
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 is 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 shows selectivity for members of the ERK family of MAP kinases, is expressed only in placenta, kidney, and fetal liver, and is localized to the cytoplasm and nucleus. [provided by RefSeq, Jul 2008]
Keywords	DUSP9; dual specificity phosphatase 9; MKP4; MKP-4; dual specificity protein phosphatase 9; map kinase phosphatase 4; serine/threonine specific protein phosphatase; mitogen-activated protein kinase phosphatase 4;

GENE INFORMATION

Entrez Gene ID	1852
UniProt ID	Q99956
Pathway	MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem
Function	MAP kinase tyrosine/serine/threonine phosphatase activity; hydrolase activity; phosphoprotein phosphatase activity; protein tyrosine phosphatase activity

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