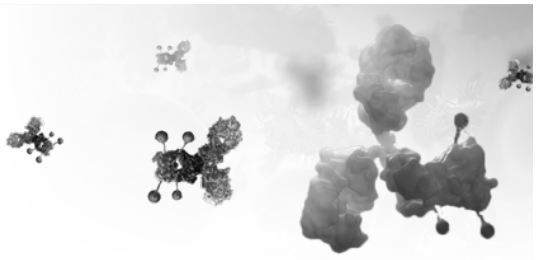

Mouse anti-Human DUSP3 monoclonal antibody, clone BSN2 (CABT-B10145)

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

PRODUCT INFORMATION

Immunogen	Recombinant protein corresponding to full length human DUSP3.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	BSN2
Conjugate	Unconjugated
Applications	WB,IP
Format	Liquid
Size	100 µl
Buffer	In HEPES, 150 mM NaCl (50% glycerol, 0.01% BSA, 0.03% sodium azide)
Storage	4 °C for 1 month, -20 °C or -80 °C in aliquots. Avoid repeated freeze/thaw cycles

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 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

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	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 maps in a region that contains the BRCA1 locus which confers susceptibility to breast and ovarian cancer. Although DUSP3 is expressed in both breast and ovarian tissues, mutation screening in breast cancer pedigrees and in sporadic tumors was negative, leading to the conclusion that this gene is not BRCA1. [provided by RefSeq, Jul 2008]
Keywords	DUSP3; dual specificity phosphatase 3; VHR; dual specificity protein phosphatase 3; vaccinia H1-related phosphatase; vaccinia virus phosphatase VH1-related; dual specificity protein phosphatase VHR; serine/threonine specific protein phosphatase;

GENE INFORMATION

Entrez Gene ID	1845
UniProt ID	P51452
Pathway	Activated TLR4 signalling, organism-specific biosystem; ERK/MAPK targets, organism-specific biosystem; ERKs are inactivated, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immunity Signaling, organism-specific biosystem; MAP kinase activation in TLR cascade, organism-specific biosystem
Function	MAP kinase phosphatase activity; hydrolase activity; phosphatase activity; protein tyrosine phosphatase activity; protein tyrosine phosphatase activity; protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity

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