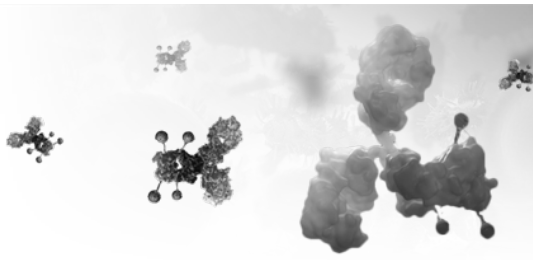

Mouse anti-Rat MKP2 monoclonal antibody, clone 59/NLQ3 (CABT-B9240)

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

PRODUCT INFORMATION

Immunogen	Rat MKP2 aa. 13-127
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Rat, Human, Mouse, Frog
Clone	59/NLQ3
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IF; IHC
Format	Liquid
Concentration	250 μg/ml
Size	50 μg
Buffer	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
Storage	Store undiluted at -20°C.

BACKGROUND

Introduction	The mitogen activated protein (MAP) kinases mediate signal transduction pathways involved in

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	cellular growth and differentiation. These MAP kinases, including ERK1 and ERK2, are activated by phosphorylation on Tyr and Thr by MEK (MAP and ERK Kinase). Regulation of the resulting physiological effects of MAP Kinase activation is affected in part by MAP Kinase phosphatases (MKPs). These phosphatases have dual specificity, dephosphorylating both the tyrosine and threonine residues on MAP kinases. MKP2, which is widely expressed in human tissues, specifically dephosphorylates activated ERKs and JNK. These phosphatases have overlapping substrate specificities for the three known families of MAP kinases - p38, ERK, and JNK. All of the known MKPs contain a highly conserved carboxyl-terminal catalytic domain flanked by two CH2 (CDC25 homology 2) domains.
Keywords	DUSP4; dual specificity phosphatase 4; TYP; HVH2; MKP2; MKP-2; dual specificity protein phosphatase 4; MAP kinase phosphatase 2; VH1 homologous phosphatase 2; dual specificity protein phosphatase hVH2; serine/threonine specific protein phosphatase; mitogen-activated protein kinase phosphatase 2;

GENE INFORMATION

Entrez Gene ID	1846
UniProt ID	Q13115

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