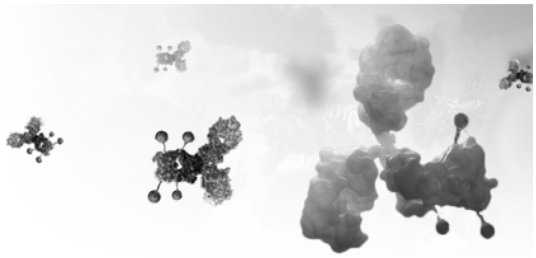

Rabbit Anti-DUSP1 monoclonal antibody, clone KK1041 (CABT-L852)

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

PRODUCT INFORMATION

Target	DUSP1
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KK1041
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC, IP, FC
Molecular Weight	40 kDa
Cellular Localization	Nucleus.
Positive Control	Human lung cancer tissue, mouse spleen tissue, mouse lung tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	A key element in the pathway involved in the transduction of signals from activated protein-tyrosine kinase transmembrane receptors has been identified as the family of mitogen-activated protein kinases (MAP kinases). The most well known of these Ser/Thr kinases are ERK 1 and ERK 2. Mitogenic stimulation of cells triggers the activation of MAP kinases through phosphorylation of both tyrosyl (Y185) and threonyl (T183) residues. Phosphorylation of the T183 and Y185 ERK regulatory site is mediated by MAP kinase (MEK), which in turn is regulated by the proto-oncogene product Raf. Two highly related phosphatases, designated MKP-1 and MKP-2, exhibit 59% sequence identity at the amino acid level and oppose the action of MEK by downregulating the kinase activity of ERK 1 and ERK 2. MAP kinase phosphatase-1 and -2 proteins function by dephosphorylating ERK 1 and ERK 2 at their T-E-Y regulatory motif. An additional phosphatase encoded by the DUSP2 gene, designated PAC-1, also functions to downregulate ERK 1 and ERK 2 kinase activity. PAC-1 is a nuclear protein whose expression is strongly induced in response to mitogen.
Keywords	CL 100;CL100;Dual Specificity Phosphatase 1;Dual specificity protein phosphatase 1;Dual specificity protein phosphatase hVH1;DUS1_HUMAN;DUSP 1;Dusp1;HVH1;MAP kinase phosphatase 1;Mitogen-activated protein kinase phosphatase 1;MKP-1;MKP1;Protein tyrosine phosphatase CL100;Protein-tyrosine phosphatase CL100;PTPN10;Serine/threonine specific protein phosphatase;VH1 antibody

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