3/23/24, 10:51 AM Revision 1

e at -20C	MEK1 (61B12) Mouse mAb		Cell Signaling	
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com	
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For Research Use Only	Not for Use	in Diagnostic Procedures.
FOI INESCAIGH USE OINS	1101 101 030	in Diagnostic Flocedules.

Applications: WB, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	<b>MW (kDa):</b> 45	Source/Isotype: Mouse IgG2a	UniProt ID: #Q02750	Entrez-Gene Id: 5604		
Product Usage Information		oplication estern Blotting			<b>Dilution</b> 1:2000			
		munoprecipitation			1:100			
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than		
Specificity / Sensi		MEK1 (61B2) Mouse mAb detects endogenous levels of total MEK1 protein. This antibody does not cross- react with MEK2 and other MAP kinase kinases.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with full length MEK1 proteins.						
Background	mit ME in t grc act cel	ogen activated prote K1 and MEK2 occur he activation loop of wth factors and cyto ive forms of MEK1/2 Is (4). MEK activates	in kinase cascad rs through phospl subdomain VIII, kines and also by are sufficient for s p44 and p42 MA	Erk kinases, are dual-spe e controlling cell growth iorylation of two serine r by Raf-like molecules. M r membrane depolarizati the transformation of NI P kinase by phosphoryl of kinase subdomain VI	and differentiation (1- residues at positions 2 IEK1/2 is activated by ion and calcium influx IH/3T3 cells or the diff lating both threonine a	3). Activation of 217 and 221, located a wide variety of (1-4). Constitutively erentiation of PC-12		
Background Refe	2. / 3. F	Crews, C.M. et al. (1 Alessi, D.R. et al. (19 Rosen, L.B. et al. (19 Cowley, S. et al. (199	994) EMBO J. 13, 994) Neuron 12, 1	1610-19. 207-21.				
Species Reactivity	<b>y</b> Spe	cies reactivity is dete	ermined by testing	g in at least one approve	ed application (e.g., we	estern blot).		
Western Blot Buff		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Key	WE	WB: Western Blotting IP: Immunoprecipitation						
Cross-Reactivity I	X: >	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected						
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