Phospho-c-Jun (Ser63) (54B3) Rabbit mAb



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Applications: W, IHC-P	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 48	Source/Isotype: Rabbit IgG	UniProt ID: #P05412	Entrez-Gene Id 3725	
Product Usage Information		Application Western Blotting Immunohistochemistry (Paraffin)			Dilution 1:1000 1:100		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
		For a carrier free (BSA and azide free) version of this product see product #97721.					
Specificity/Sensitivity		Phospho-c-Jun (Ser63) (54B3) Rabbit mAb detects endogenous levels of c-Jun only when phosphorylated at serine 63.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues around Ser63 of human c-Jun.					
Background		c-Jun is a member of transcription factor a		ining c-Jun, JunB, and Ju			
		members and binds to signals, including gro transcriptional activit (reviewed in 2). Knoch subsequent studies including axon regen exert diverse biologic transformation, invas regulate survival, as v	to and activates transwith factors, chemo y of c-Jun is regulate cout studies in mice have demonstrated in eration (4), liver regulate ision and metastasis, well as hypoxia and	is 1). AP-11s composed iscription at TRE/AP-1 el- kines, and stress, activated by phosphorylation and have shown that c-Jun is roles for c-Jun in various eneration (5), and T cell ng cell proliferation, diff depending on cell type angiogenesis (8,10). Res r, vascular remodeling, a	ements (reviewed in the AP-1-dependent it Ser63 and Ser73 to sessential for embitions development (6). Al erentiation, and ap and context (7-9). Cearch studies have	n 1). Extracellular transcription. The hrough SAPK/JNK ryogenesis (3), and pmental processes, P-1 regulated generoptosis, as well as other target genes implicated c-Jun as	

Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X

TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting IHC-P: Immunohistochemistry (Paraffin)

Cross-Reactivity Key H: Human M: Mouse R: Rat

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