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## For Research Use Only. Not for Use in Diagnostic Procedures.

Phospho-SAPK/JNK (Thr183/Tyr185) (G9) Mouse mAb

	<b>Reactivity:</b> I M R Hm Sc	Sensitivity: Endogenous	<b>MW (kDa):</b> 46, 54	Source/Isotype: Mouse IgG1	<b>UniProt ID:</b> #P45983	Entrez-Gene Id: 5599	
Product Usage Information		lication			Dilu	ution	
intormation	Wes	stern Blotting			1:20	000	
	Imm	nunoprecipitation			1:25		
		nunofluorescence (	2	nistry)	1:20		
	Flov	v Cytometry (Fixed	/Permeabilized)		1:40	00 - 1:800	
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	a carrier free (BSA	and azide free) v	ersion of this product se	e product #16014.		
Specificity / Sensitiv	SAP	Phospho-SAPK/JNK (Thr183/Tyr185) (G9) Mouse mAb detects endogenous levels of p46 and p54 SAPK/JNK dually phosphorylated at Thr183 and Tyr185. This antibody does not recognize endogenou levels of phosphorylated p44/42 MAPK or p38 MAP kinase.					
Source / Purificatior		Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding residues surrounding Thr183/Tyr185 of human SAPK/JNK.				tide corresponding to	
Background	activ inflar MAP mixe phos GTP and I of a g unde trans	ated by a variety or mmatory cytokines, Ks, the core signal d lineage kinases ( phorylate and activ ases of the Rho fai MLKs (3). Alternativ germinal center kin rgoes alternative s	f environmental s and in some ins ing unit is compo MLKs), which ph vate the SAPK/JN mily (Rac, Rho, c vely, MKK4/7 can ase (GCK) family plicing, resulting us and regulate t	amino-terminal kinase S stresses, including UV a tances, growth factors a losed of a MAPKKK, typin oosphorylate and activat JK kinase (2). Stress sig dc42) (3). Both Rac1 ar be activated in a GTPa member (4). There are in numerous isoforms (3 ranscription through its	nd gamma radiation, c and GPCR agonists (1- cally MEKK1-MEKK4, e MKK4/7. Upon activa nals are delivered to th ad cdc42 mediate the s use-independent mech three SAPK/JNK gen 3). SAPK/JNK, when a	eramides, 6). As with the other or by one of the ation, MKKs his cascade by small stimulation of MEKKs anism via stimulation es each of which ctive as a dimer, can	
Background Refere	2. Ich 3. Ky 4. Ky 5. Le	riakis, J.M. (1999) ppä, S. and Bohma	ogene 18, 6087-9 ruch, J. (2001) Pi J Biol Chem 274 ann, D. (1999) Oi	93. hysiol Rev 81, 807-69.	3, 481-5.		
Species Reactivity	Speci	es reactivity is dete	ermined by testing	g in at least one approve	ed application (e.g., we	estern blot).	
Western Blot Buffer				e membrane with diluted th gentle shaking, overr		% w/v nonfat dry	
Applications Key		WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)				tochemistry)	
Cross-Reactivity Ke	<b>X</b> : Xe		B: bovine Dg: de	Mk: monkey Vir: virus I og Pg: pig Sc: S. cerev es expected		-	

Phospho-SAPK/JNK (Thr183/Tyr185) (G9) Mouse mAb (#9255) Datasheet Without Images Cell Signaling T...

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