

Mouse Monoclonal Antibody to

SAPK1 γ /jnk1 (N-Terminus)

clone 5D10

Order No.: **0200-100/SAPK1g/jnk1-5D10**
 Size (μ g) 100
 Lot No.: 0200S

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05/110507F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human, mouse, rat, dog	WB, ELISA, IHC	45 kDa	HepG2	N-terminus	peptide conjugated to hemocyanin

Background and Specificity:

Stress-activated Protein Kinases (SAPKs) are strongly activated in response to adverse stimuli such as heat and osmotic shock, UV light and other DNA-damaging reagents, and inhibitors of protein synthesis. They are also activated strongly in response to agonists that are released or produced under conditions of stress, such as proinflammatory cytokines.

The SAPK1/jnk family consists of 3 isoforms: SAPK1 α /jnk2; SAPK1 β /jnk3; SAPK1 γ /jnk1.

Mab SAPK1g-5D10 specifically interacts with the N-terminus of SAPK1 γ /jnk1 kinases.

Related Products

mab to SAPK1 α /jnk2 (N-terminus)

#0190-100/SAPK1a-12C5

mab to SAPK1/2 (T - G/P - pY)

#0041-100/SAPK1/2-9H8

mab to SAPK2 α (N-terminus)

#0034-100/SAPK2a-13D5

#0035-100/SAPK2a-20B11

mab to SAPK2 δ (N-terminus)

#0053-100/SAPK2d-5H7

mab to MAPK 1/2 (pT-E-pY)

#0012-100/MAPK-12D4

mab to MAPK 2 (C-terminus)

#0011-100/MAPK2-6G11

mab to MAPK 2 (N-terminus)

#0178-100/MAPK2-6H3

mab to MAPK 2 (internal sequence)

#0239-100/MAPK2-12A4

mab to MAPK7/erk5

#0223-100/MAPK7/erk5-12F2

mab to Mxi 2 (N-terminus)

0046-100/Mxi-2F2

Purification:	The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.
Formulation:	lyophilized from 1 ml 2 x PBS / 0.1 % Na-azide / PEG and Sucrose.
Reconstitution:	Reconstitute with 1 ml H ₂ O (15 min, RT).
Stability:	For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.
	Avoid repeated freeze / thaw cycles.
Positive Control:	#0811: Cell lysate from untreated HepG2 cells
Immunoblotting:	0.5 μ g/ml for HRPO/ECL detection Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.
Immunoprecipitation:	ND
Immunocytochemistry:	ND
ELISA:	use at 0.05 μ g/ml

All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.