

## Mouse Monoclonal Antibody to

# SAPK1 $\gamma$ /jnk1 (N-Terminus)

## clone 5D10

**Order No.:** 0200-100/SAPK1g/jnk1-5D10

**Size ( $\mu$ g)** 100

**Lot No.:** 0200S



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 $\alpha$ /jnk2; SAPK1 $\beta$ /jnk3; SAPK1 $\gamma$ /jnk1.

**Mab SAPK1g-5D10** specifically interacts with the N-terminus of SAPK1 $\gamma$ /jnk1 kinases.

### Related Products

**mab to SAPK1 $\alpha$ /jnk2 (N-terminus)**

#0190-100/SAPK1a-12C5

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

#0041-100/SAPK1/2-9H8

**mab to SAPK2 $\alpha$  (N-terminus)**

#0034-100/SAPK2a-13D5

#0035-100/SAPK2a-20B11

**mab to SAPK2 $\delta$  (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

<b>Purification:</b>	The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.
<b>Formulation:</b>	lyophilized from 1 ml 2 x PBS / 0.1 % Na-azide / PEG and Sucrose.
<b>Reconstitution:</b>	Reconstitute with 1 ml H <sub>2</sub> O (15 min, RT).
<b>Stability:</b>	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.
	<b>Avoid repeated freeze / thaw cycles.</b>
<b>Positive Control:</b>	#0811: Cell lysate from untreated HepG2 cells
<b>Immunoblotting:</b>	0.5 $\mu$ g/ml for HRPO/ECL detection <b>Recommended blocking buffer:</b> Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.
<b>Immunoprecipitation:</b>	ND
<b>Immunocytochemistry:</b>	ND
<b>ELISA:</b>	use at 0.05 $\mu$ g/ml

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