

## Mouse Monoclonal Antibody to

# Mxi2 (N-terminus)

## clone 2F2

**Order No.:** 0046-100/Mxi-2F2

**Size (µg)** 100

**Lot No.:** 0046S



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Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human, mouse, rat, dog	WB, ELISA, IP	30/38 kDa	A431	N-terminus	peptide conjugated to KLH

### Background and Specificity:

Mxi2 is a splice variant of SAPK2 $\alpha$  (p38). Stress-activated protein kinases (SAPK) 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.

**Mab Mxi-2F2** is directed against the N-terminus of Mxi2.

### Related Products

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

#0190-100/SAPK1 $\alpha$ /jnk2-12C5

**mab to SAPK1b/jnk3 (N-terminus)**

#0220-100/SAPK1b/jnk3-4G6

**mab to SAPK1 $\gamma$ /jnk1 (N-terminus)**

#0200-100/SAPK1 $\gamma$ -5D10

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

#0041-100/SAPK1/2-9H8

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

#0034-100/SAPK2 $\alpha$ -13D5

#0035-100/SAPK2 $\alpha$ -20B11

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

#0053-100/SAPK2 $\delta$ -5H7

<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 / 0.09 % 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.

**Avoid repeated freeze / thaw cycles.**

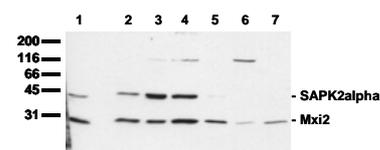
**Positive Control:** #0831: Cell lysate from untreated A431 cells

**Immunoblotting:** 0.5 µg/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:** use at 1 - 10 µg per 10<sup>6</sup> pervanadate-treated A431 cells

**Immunocytochemistry:** ND

**ELISA:** use at 0.05 µg/ml



**Detection of endogenous Mxi / SAPK2alpha**

Whole cell lysates of serum starved tumor cells (20.000 cells per lane) were applied to SDS-PAGE and transferred to a PVDF membrane. The immunoblot was probed with mab Mxi-2F2 (0.5 µg/ml) for 1h at RT and developed by ECL (exp. time: 30 sec). Mab Mxi-2F2 recognizes SAPK2 $\alpha$ /p38 at 38 kDa and its splice variant Mxi2 at 30 kDa.

lane 1: A431; lane 2: SW480; lane 3: SW620; lane 4: HT29; lane 5: MCF7; lane 6: MDA231; lane 7: T47D

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