

Mouse Monoclonal Antibody to

SAPK2 δ /p38 δ (N-terminus)

clone 5H7

Order No.: 0053-100/SAPK2d-5H7
Size (μ g) 100
Lot No.: 0053S

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04/080507F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human	WB, IHC	42 kDa	A431	N-terminus, interacts with SAPK2 (p38/CSBP)	N-terminal peptide conjugated to KLH

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. Stress-activated Protein Kinase 2 (SAPK2/p38) phosphorylates conserved Ser - Pro or Thr - Pro peptide motifs.

Mab SAPK2d-5H7 specifically interacts with the N-terminus of SAPK2 δ .

Related Products

- mab to SAPK1 α /jnk2 (N-terminus)**
#0190-100/SAPK1a-12C5
- mab to SAPK1 γ /jnk1 (N-terminus)**
#0200-100/SAPK1g-5D10
- mab to SAPK1/2 (T - G/P - pY)**
#0041-100/SAPK1/2-9H8
- mab to SAPK2 α (N-terminus)**
#0034-100/SAPK2a-13D5 (crossreaction with Mxi2)
#0035-100/SAPK2a-20B11 (no crossreaction with Mxi2)
- 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 PBS / 0.1 % Na-azide / PEG and Sucrose.

Reconstitution: Reconstitute with 1 ml H₂O (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.

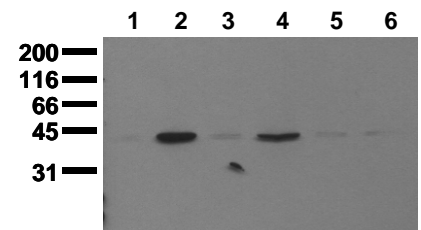
Positive Control: #0831: Cell lysate from untreated A431 cells

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.



Detection of endogenous SAPK2 delta

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 SAPK2d-5H7 (0.5 μ g/ml) for 1h at RT and developed by ECL (exp. time: 30 sec).

lane 1: MDA-MB 231; lane 2: MDA-MB 468; lane 3: MCF-7; lane 4: T47D; lane 5: SW480; lane 6: SW620