

Mouse Monoclonal Antibody to

MEK1 (N-Terminus)

clone 10B1

Order No.: 0186-100/MEK1-10B1
Size (µg) 100
Lot No.: 0186S



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04/150307F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human, mouse, rat, dog	WB, ELISA	45 kDa	SW480	N-Terminus	peptide conjugated to hemocyanin

Background and Specificity:

MEK (MAP Kinase Kinase) phosphorylates the MAP kinase on both threonine and tyrosine residues of the activation loop motif **TEY**. MEK1 and MEK2 are activated by phosphorylation of two serine residues (Ser 218/222 in MEK1 and Ser 222/226 in MEK2). These phosphorylation sites are substrates of the Raf family of kinases.

Mab MEK1-10B1 specifically recognizes the N-terminus of MEK1 at 45 kDa. The antibody is suitable for Western Blot and ELISA applications.

Related Products

- mab to MEK1 (pS218/222)**
- mab to MEK2 (pS222/226)**
- #0174-100/MEK1/2-7E10
- mab to MEK1/2**
- #0150-100/MEK1/2-9G3
- mab to MEK2 (N-terminus)**
- #0148-100/MEK2-8E8
- mab to MKK3 (N-terminus)**
- #0166-100/MKK3-5F7
- mab to MKK5 (N-terminus)**
- #0224-100/MKK5-14B5
- mab to MKK7 (N-terminus)**
- #0189-100/MKK7-10F7
- mab to MAPK 1/2 (pT-E-pY)**
- #0012-100/MAPK-12D4
- mab to MAPK 2 (C-terminus)**
- #0011-100/MAPK-6G11
- mab to MAPK 2 (N-terminus)**
- #0178-100/MAPK-6H3
- mab to MAPK 2 (internal sequence)**
- #0239-100/MAPK2-12A4
- mab to MAPK 7/erk 5**
- #0223-100/MAPK7/erk5-12F2
- mab to Fos (pS374)**
- #0118-100/Fos-34E4
- mab to Fos (N-terminus)**
- #0122-100/Fos-8B5
- mab to C-Raf (pS621)**
- #0102-100/C-Raf-6B4
- mab to C-Raf**
- #0120-100/C-Raf-PBB-1

Purification: The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.

Formulation: liquid; 0.1mg/ml in in PBS/0.09% Na-Azide/PEG and Sucrose/50% Glycerol

Reconstitution:

Stability: Aliquote and store 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 cycle.

Positive Control: #0801: Cell lysate from untreated SW480 cells

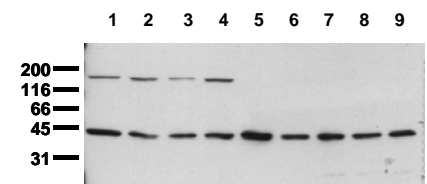
Immunoblotting: 1µg/ml for HRPO/ECL detection
Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.

Immunoprecipitation: ND

Immunocytochemistry: ND

ELISA: use at 0.05 µg/ml

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



Detection of endogenous MEK1

Whole cell lysates of serum starved tumor cells (20000 cells per lane) were applied to SDS-PAGE and transferred to PVDF membranes. Immunoblots were probed with mab 10B1 (0.5 µg/ml) for 1h at RT and developed by ECL (exp. time: 30 sec).

lane 1: HeLa; lane 2: HepG2; lane 3: HEK293; lane 4: SH-SY5Y; lane 5: MDCK; lane 6: PC12; lane 7: CMT 93; lane 8: Neuro 2A; lane 9: 3T3