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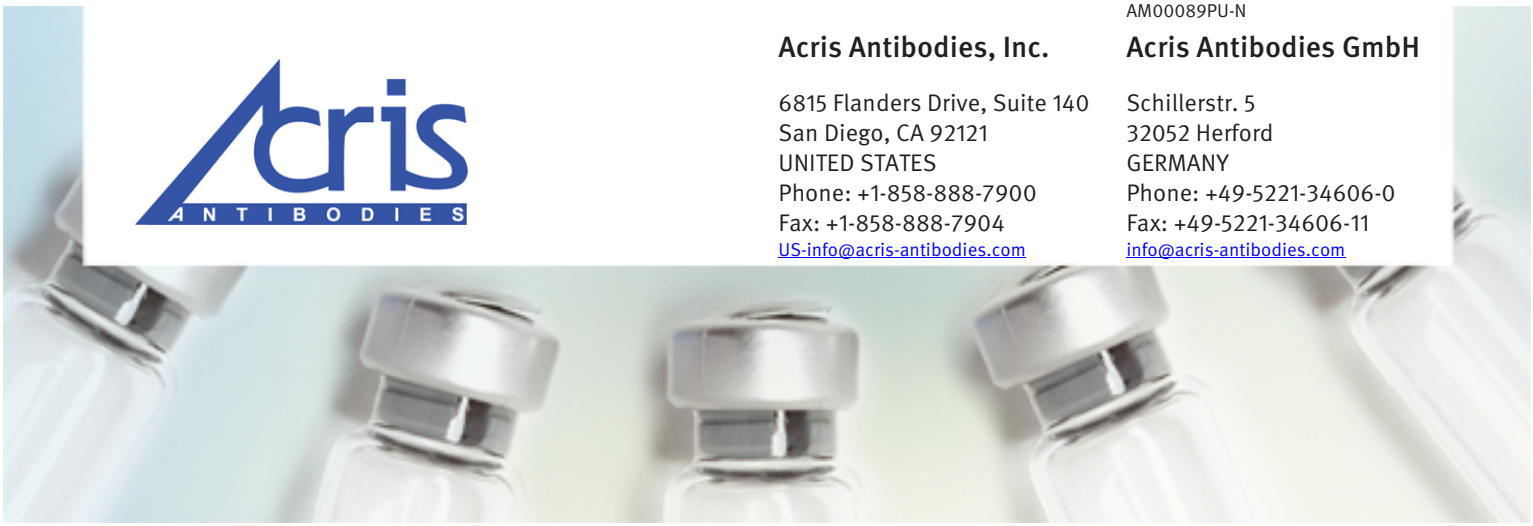

Monoclonal Antibody to MAP2K1 (incl. pos. control) - Purified

Alternate names: Dual specificity mitogen-activated protein kinase kinase 1, ERK activator kinase 1, MAP kinase kinase 1, MAPK/ERK kinase 1, MAPKK 1, MEK1, PRKMK1

Catalog No.: AM00089PU-N

Quantity: 0.1 mg

Concentration: 0.1mg/ml in

Background: 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.

Uniprot ID: Q02750

NCBI: NP_002746.1

GeneID: 5604

Host / Isotype: Mouse / IgG1

Clone: 10B1

Immunogen: Synthetic peptide conjugated to KLH

Format:
State: Liquid purified IgG
Purification: Size exclusion chromatography
Buffer System: PBS/0.09% Na-Azide/PEG and Sucrose/50% Glycerol

Applications:
Western Blot: 1µg/ml for HRPO/ECL detection.
Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer.
Positive Control: Cell lysate from untreated SW480 cells.
ELISA: 0.05 µg/ml.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:
This antibody specifically recognizes the N-terminus of MEK1 at 45 kDa.
Species: Human, Mouse, Rat, Dog.
Other species not tested.

Storage:
Store the antibody (aliquote in liquid nitrogen) at -80°C.
Avoid repeated freezing and thawing.
Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.
Shelf life: one year from despatch.

Pictures:

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