

Product datasheet for **AM00094PU-N**

MEK3 (MAP2K3) (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 5F7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5F7
Applications:	ELISA, WB
Recommended Dilution:	Western Blot: 0.5 µg/ml for HRPO/ECL detection. Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer. Positive Control: Cell lysate from untreated A431 cells. ELISA: 0.05 µg/ml.
Reactivity:	Canine, Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide conjugated to KLH
Specificity:	This antibody specifically recognizes the N-terminus of MKK3.
Formulation:	1 ml 2 x PBS / 0.09 % Na-azide / PEG and Sucrose State: Purified State: Lyophilized purified IgG
Reconstitution Method:	Restore with 1 ml H ₂ O (15 min, RT).
Purification:	Size exclusion chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized (preferably in a desiccator) at -20°C and reconstituted (aliquote and freeze 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.
Stability:	Shelf life: one year from despatch.
Gene Name:	mitogen-activated protein kinase kinase 3
Database Link:	Entrez Gene 5606 Human P46734

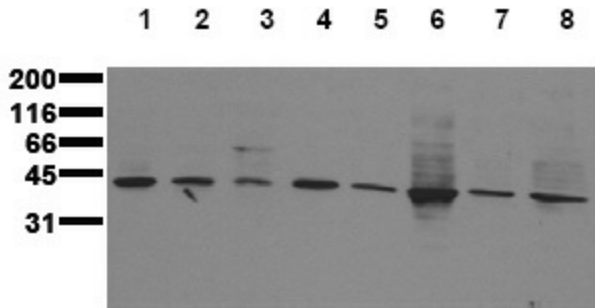


[View online »](#)

Background: MKK3 activates p38 MAP kinase by phosphorylating a Thr and Tyr residue in the activation loop. MKK3 does not phosphorylate and activate the other major MAP kinases, MAPK1/2 (erk1/2) or SAPK/JNK. Cellular stress and inflammatory cytokines activate MKK3 and lead to phosphorylation of Ser 189 and Thr 193.

Synonyms: MAPKK 3, MEK3, MKK3, MAP kinase kinase 3

Product images:



Detection of endogenous MKK3 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 MKK3-3F5 (0.5 ug/ ml) for 1h at RT and developed by ECL (exp. time: 30 sec). lane 1: A431; lane 2: A549; lane 3: SKOV3; lane 4: OVCAR5; lane 5: HaCaT; lane 6: PC3; lane 7: HeLa; lane 8: HepG2