

Product datasheet for **AP00207PU-N**

MEK4 (MAP2K4) pSer80 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1-4 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide surrounding Ser80 of human SEK1/MKK4.
Specificity:	The antibody recognizes phosphorylated SEK1/MKK4/JKK1.
Formulation:	PBS containing 50 % glycerol, 1 % BSA, and 0.02 % thimerosal State: Aff - Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Peptide affinity purified
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -70°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	mitogen-activated protein kinase kinase 4
Database Link:	Entrez Gene 6416 Human P45985
Background:	SAPK/Erk kinase (SEK1), also known as MKK4 or Jun kinase kinase (JNKK), activates the MAP kinase homologues SAPK and JNK in response to various cellular stresses and inflammatory cytokines. Activation of SEK1 occurs through phosphorylation of serine and threonine residues at positions 257 and 261, respectively, by MEKK. Like MEK, SEK is a dual-specificity protein kinase that phosphorylates SAPK/JNK at a conserved T*PY* site in its activation loop. Phosphorylation by Akt at Ser80 inhibits SEK1 and suppresses the stress-activated signal transduction.



[View online »](#)

Synonyms:

JNK-activating kinase 1, MAP Kinase Kinase 4, SAPK/ERK kinase 1, PRKMK4, SERK1, MEK-4, MAPKK4, MKK4