



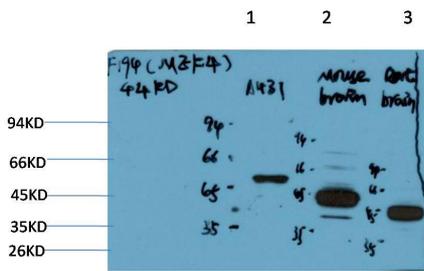
ELK Biotechnology

MEK4 (F194)Rabbit pAb
Catalog NO.: EA362
For research use only.

Overview

Product name	MEK4 (F194) Rabbit polyclonal antibody
Source	Rabbit
Applications	WB
Species reactivity	Human, Mouse, Rat
Recommended dilutions	WesternBlot:1/1000-2000 NOTE: Optimal dilutions should be determined by the end user.
Immunogen	Recombinant Protein
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	44kDa
GeneID (Human)	6416
Human Swiss-Prot No.	P45985
Cellular localization	Cytoplasm, Nucleus
Alternative Names	JNK activating kinase 1, JNKK, JNKK1, MAP kinase kinase 4, MAP2K4, MAPK/ERK kinase 4, MAPKK 4, MAPKK4, MKK4, PRKMK4, SAPK/ERK kinase 1, SEK1, SERK1
Background	SAPK/Erk kinase (SEK1), also known as MEK4 or 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 MEKK phosphorylation of serine and threonine residues at positions 257 and 261, respectively. 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 stress-activated signal transduction .



Western blot analysis of 1) A431 Cell Lysate, 2) Mouse Brain Tissue Lysate , 3) Rat Brain Tissue Lysate using MEK4 (EA362) Rabbit pAb diluted at 1:2000.