ARG20138
anti-SEK1 / MKK4 phospho (Ser80) antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SEK1/MKK4 phospho (Ser80)
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Specificity	The antibody recognizes phosphorylated SEK1/MKK4/JKK1 of human, mouse, and rat origins.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MAP2K4 phospho (Ser80)
Antigen Species	Human
Immunogen	Synthetic peptide surrounding Ser80 of human SEK1/MKK4
Alternate Names	MEK 4; MAPK/ERK kinase 4; PRKMK4; SAPKK-1; SAPK/ERK kinase 1; SKK1; JNK-activating kinase 1; EC 2.7.12.2; MEK4; MAP kinase kinase 4; c-Jun N-terminal kinase kinase 1; SEK1; SAPKK1; MAPKK4; Stress-activated protein kinase kinase 1; JNKK1; MKK4; SERK1; SAPK kinase 1; Dual specificity mitogen-activated protein kinase kinase 4; JNKK; MAPKK 4

Application Instructions

Application table

Application	Dilution
WB	1-4 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity Purified Antibody
Buffer	PBS, 50% Glycerol, 1% BSA and 0.02% Thimerosal
Preservative	0.02% Thimerosal
Stabilizer	50% Glycerol, 1% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Keep the antibody in the dark and keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin

	the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

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.