

[KD Validated] Anti-MAPK9 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

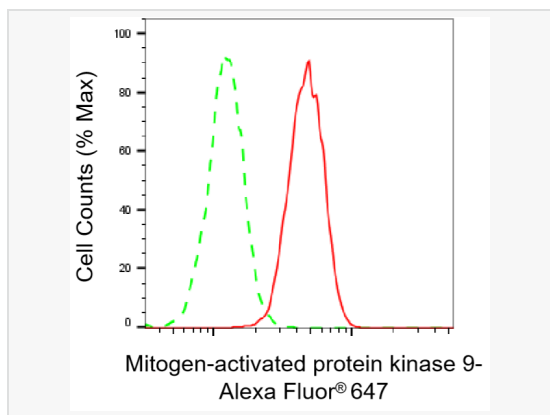
Catalog # M021306

Product Information

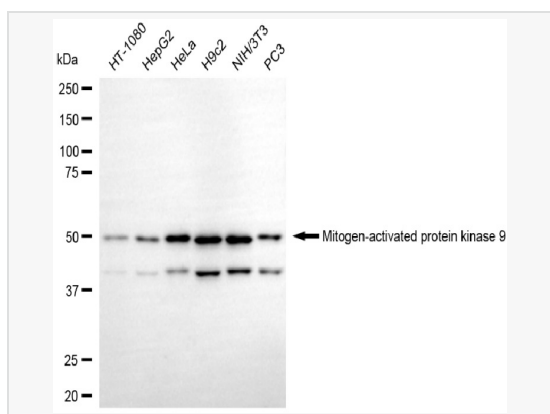
Application	WB, FC
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:2,500; FC 1:200~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	59K99K91
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human MAPK9
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-MAPK9 Mouse mAb [59K99K91] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

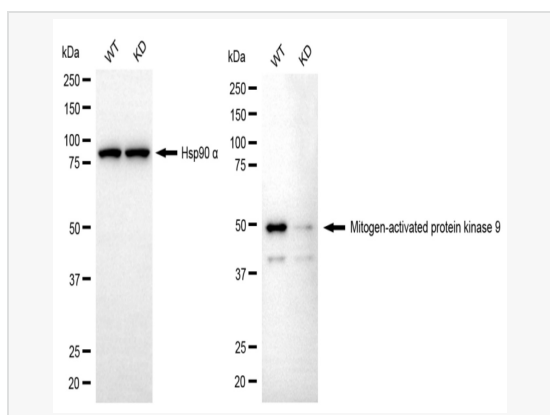
Synonyms	MAPK9; Mitogen-Activated Protein Kinase 9; JNK2; PRKM9; P54a; SAPK; Stress-Activated Protein Kinase JNK2; Stress-Activated Protein Kinase 1a; C-Jun N-Terminal Kinase; MAP Kinase 9; EC 2.7.11.24; Jun Kinase; JNK-55; SAPK1a; MAPK 9; C-Jun Kinase; JNK2ALPHA; EC 2.7.11; JNK2BETA; P54aSAPK; SAPK1A; JNK2A; JNK2B.
Calculated MW	Calculated MW: 48 kDa; Observed MW: 48 kDa
Uniprot ID	P45984
Gene ID	5601
Background	The stress-activated protein kinase/Jun-amino-terminal kinase SAPK/JNK is potently and preferentially activated by a variety of environmental stresses including UV and gamma radiation, ceramides, inflammatory cytokines, and in some instances, by growth factors and GPCR agonists. As with the other MAPKs, the core signaling unit is composed of a MAPKKK, typically MEKK1-MEKK4, or by one of the mixed lineage kinases (MLKs), which phosphorylate and activate MKK4/7.



Flow cytometric analysis of Mitogen-activated protein kinase 9 expression in HeLa cells using Mitogen-activated protein kinase 9 antibody (M021306, 1:2,000). Green, isotype control; red, Mitogen-activated protein kinase 9.



Western blotting analysis using mitogen-activated protein kinase 9 antibody (M021306). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with mitogen-activated protein kinase 9 antibody (M021306, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using mitogen-activated protein kinase 9 antibody (M021306). Mitogen-activated protein kinase 9 expression in wild-type (WT) and mitogen-activated protein kinase 9 (MAPK9) knockdown (KD) HSHC cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with mitogen-activated protein kinase 9 antibody (M021306, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.