

ARG51644 anti-MEK3 / MKK3 phospho (Ser189) antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MEK3 / MKK3 phospho (Ser189)
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MEK3 / MKK3
Species	Human
Immunogen	Peptide sequence around phosphorylation site of serine 189 (V-D-S(p)-V-A) derived from Human MKK3 / MEK3.
Conjugation	Un-conjugated
Alternate Names	SAPK kinase 2; MEK 3; MAPKK 3; Stress-activated protein kinase kinase 2; PRKMK3; EC 2.7.12.2; MAPK/ERK kinase 3; MEK3; MAPKK3; SAPKK2; SAPKK-2; MAP kinase kinase 3; MKK3; Dual specificity mitogen-activated protein kinase kinase 3

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100 - 1:200
	IHC-P	1:50 - 1:100
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

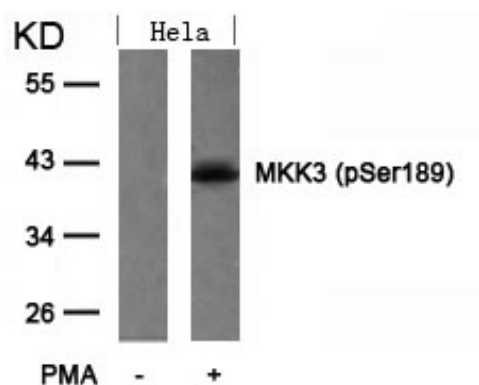
Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic phosphopeptide. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. In addition, non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Buffer	PBS (without Mg ²⁺ and Ca ²⁺ , pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 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. 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

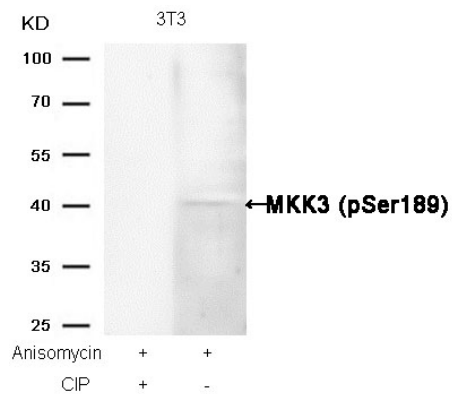
Database links	GeneID: 26397 Mouse GeneID: 5606 Human Swiss-port # O09110 Mouse Swiss-port # P46734 Human
Gene Symbol	MAP2K3
Gene Full Name	mitogen-activated protein kinase kinase 3
Background	Dual specificity kinase. Is activated by cytokines and environmental stress in vivo. Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in the MAP kinase p38.
Function	Dual specificity kinase. Is activated by cytokines and environmental stress in vivo. Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in the MAP kinase p38. [UniProt]
Research Area	Cancer antibody; Gene Regulation antibody; Immune System antibody; Signaling Transduction antibody
Calculated Mw	39 kDa
PTM	Autophosphorylated. Phosphorylation on Ser-218 and Thr-222 by MAP kinase kinase kinases regulates positively the kinase activity (PubMed:8622669). Phosphorylated by TAOK2 (PubMed:11279118). Yersinia yopJ may acetylate Ser/Thr residues, preventing phosphorylation and activation, thus blocking the MAPK signaling pathway.

Images



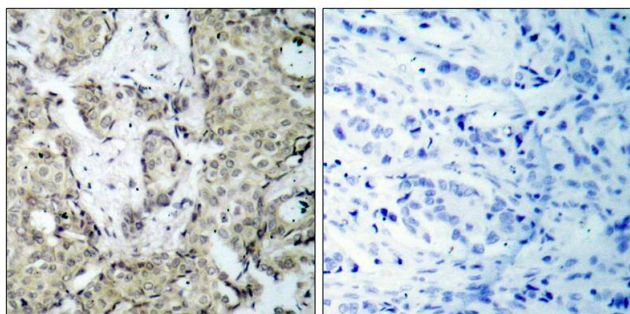
ARG51644 anti-MEK3 / MKK3 phospho (Ser189) antibody WB image

Western blot: Extracts from HeLa cells untreated or treated with PMA stained with ARG51644 anti-MEK3 / MKK3 phospho (Ser189) antibody.



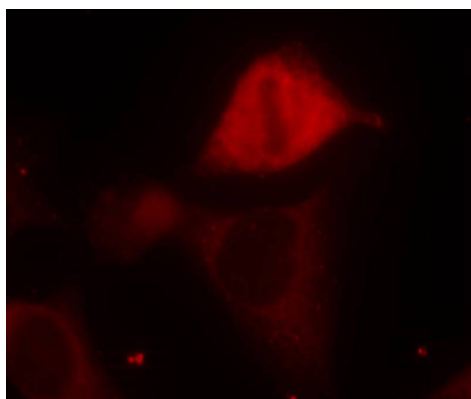
ARG51644 anti-MEK3 / MKK3 phospho (Ser189) antibody WB image

Western blot: Extracts from 3T3 cells, treated with Anisomycin or calf intestinal phosphatase (CIP), stained with ARG51644 anti-MEK3 / MKK3 phospho (Ser189) antibody.



ARG51644 anti-MEK3 / MKK3 phospho (Ser189) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast carcinoma tissue stained with ARG51644 anti-MEK3 / MKK3 phospho (Ser189) antibody (left) or the same antibody preincubated with blocking peptide (right).



ARG51644 anti-MEK3 / MKK3 phospho (Ser189) antibody ICC/IF image

Immunofluorescence: Methanol-fixed HeLa cells stained with ARG51644 anti-MEK3 / MKK3 phospho (Ser189) antibody.