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Phospho-MAP3K1(T1383) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3321a

Product Information

Application	DB, E
Primary Accession	Q13233
Other Accession	Q62925, P53349
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	164470

Additional Information

Gene ID	4214
Other Names	Mitogen-activated protein kinase kinase kinase 1, MAPK/ERK kinase kinase 1, MEK kinase 1, MEKK 1, MAP3K1, MAPKKK1, MEKK, MEKK1
Target/Specificity	This MAP3K1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T1400 of human MAP3K1.
Dilution	DB~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Phospho-MAP3K1(T1383) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MAP3K1
Synonyms	MAPKKK1, MEKK, MEKK1
Function	Component of a protein kinase signal transduction cascade (PubMed:9808624). Activates the ERK and JNK kinase pathways by

phosphorylation of MAP2K1 and MAP2K4 (PubMed:9808624). May phosphorylate the MAPK8/JNK1 kinase (PubMed:17761173). Activates CHUK and IKBKB, the central protein kinases of the NF-kappa-B pathway (PubMed:9808624).

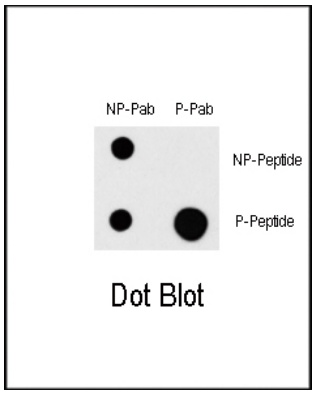
Background

Component of a protein kinase signal transduction cascade. Activates the ERK and JNK kinase pathways by phosphorylation of MAP2K1 and MAP2K4. Activates CHUK and IKBKB, the central protein kinases of the NF-kappa-B pathway.

References

Dasse,E., Leukemia 21 (4), 595-603 (2007)
Yu,F., PLoS Pathog. 3 (3), E44 (2007)
Wu,Y., Oncogene 25 (42), 5787-5800 (2006)

Images



Dot blot analysis of Phospho-MAP3K1-T1383 Pab (Cat.AP3321a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentration were 0.5ug per ml.

Citations

- Involvement of the MEKK1 signaling pathway in the regulation of epicardial cell behavior by hyaluronan.
- MAPK kinase kinase-1 is essential for cytokine-induced c-Jun NH2-terminal kinase and nuclear factor-kappaB activation in human pancreatic islet cells.