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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, Bovine, Canine, Rabbit, Chicken
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).

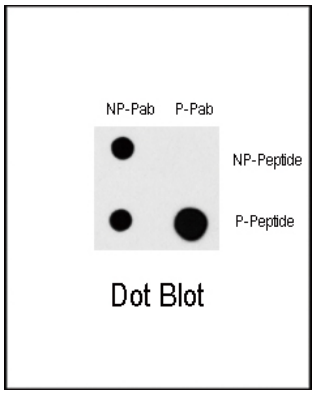
Background

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.