

Anti-MEK4/MAP2K4 Antibody

Catalog Number: PA2275

About MAP2K4

Dual specificity mitogen-activated protein kinase kinase 4 (MAP2K4), also called SEK1 or JNKK1, is an enzyme that in humans is encoded by the MAP2K4 gene. It is mapped to 17p12. This gene encodes a dual specificity protein kinase that belongs to the Ser/Thr protein kinase family. This kinase is a direct activator of MAP kinases in response to various environmental stresses or mitogenic stimuli. It has been shown to activate MAPK8/JNK1, MAPK9/JNK2, and MAPK14/p38, but not MAPK1/ERK2 or MAPK3/ERK1. This kinase is phosphorylated, and thus activated by MAP3K1/MEKK. MAP2K4 was a specific activator of JNK1, JNK2, and p38, and it has been shown to interact with FLNC, MAPK8, MAPK8IP3 and AKT1.

Overview

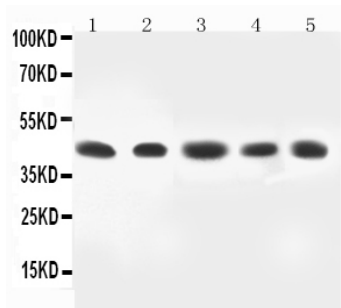
Product Name	Anti-MEK4/MAP2K4 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-MEK4/MAP2K4 Antibody catalog # PA2275. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05 mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P45985

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human MEK4, different from the related mouse and rat sequences by one amino acid.
Predicted Reactive Species	Chicken
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse</p>

Anti-MEK4/MAP2K4 Antibody (PA2275) Images



Anti-MEK4 antibody, PA2275, All Western blotting
All lanes: Anti-MAP2K4(PA2275) at 0.5ug/ml
Lane 1: Rat Skeletal Muscle Tissue Lysate at 40ug
Lane 2: HELA Whole Cell Lysate at 40ug
Lane 3: A549 Whole Cell Lysate at 40ug
Lane 4: MM231 Whole Cell Lysate at 40ug
Lane 5: CEM Whole Cell Lysate at 40ug
Predicted bind size: 44KD
Observed bind size: 44KD

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