

Anti-Phospho-MAP Kinase, Activated(Diphosphorylated ERK-1&2) Mapk3 Antibody (Monoclonal, 35M76)

Catalog Number: M00104-6

About Mapk3

In mammalian cells, a variety of extracellular stimuli generate intracellular signals that converge on a limited number of so-called mitogen-activated protein (MAP) kinase pathways. The central core of each MAP kinase (MAPK) pathway is a conserved cascade of 3 protein kinases: an activated MAPK kinase kinase (MAPKKK) phosphorylates and activates a specific MAPK kinase (MAPKK), which then activates a specific MAPK. Mek1/2 MAPK kinases are essential for mammalian development, homeostasis, and Raf-induced hyperplasia. Germline mutations in genes within the MAPK pathway cause cardio-facio-cutaneous syndrome.

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Overview

Product Name	Anti-Phospho-MAP Kinase, Activated(Diphosphorylated ERK-1&2) Mapk3 Antibody (Monoclonal, 35M76)
Reactive Species	Human, Mouse, Rat, Yeast
Description	Boster Bio Anti-Phospho-MAP Kinase, Activated (Diphosphorylated ERK-1&2) Mapk3 Antibody (Monoclonal, 35M76) catalog # M00104-6. Tested in IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat, Yeast.
Application	IHC, ICC, WB
Clonality	Monoclonal 35M76
Formulation	Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg 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	Mouse
Uniprot ID	P21708

Technical Details

Immunogen	A synthetic peptide containing 11 amino acids, HTGFLTpEYpVAT, corresponding to the phosphorylated form of ERK-activation loop conjugated to KLH.
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Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P) and ICC.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites
Suggested Dilutions	Western blot, 0.25-0.5ug/ml, Human, mouse, rat, yeast Immunohistochemistry (Paraffin-embedded Section), 0.4-1ug/ml, Human, mouse, rat, yeast Immunocytochemistry , 1ug/ml, Human, mouse, rat, yeast

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