MAP Kinase Antibody, Activated (Diphosphorylated ERK-1&2) [clone MAPK-YT] (R30048)

Catalog No.	Formulation	Size
R30048	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, yeast
Format	Ascites
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	MAPK-YT
Purity	Ascites
Gene ID	5594
Applications	Western Blot : 0.25-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml Immunocytochemistry : Suitable
Limitations	This MAP Kinase antibody, Activated (Diphosphorylated ERK-1&2) is available for research use only.

Description

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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the MAP Kinase antibody, Activated (Diphosphorylated ERK-1&2) may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A synthetic peptide containing 11 amino acids, HTGFLTpEYpVAT, corresponding to the phosphorylated form of ERK-activation loop conjugated to KLH was used as the immunogen for this MAP Kinase antibody, Activated (Diphosphorylated ERK-1&2).

Storage

After reconstitution, the MAP Kinase antibody, Activated (Diphosphorylated ERK-1&2) can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.