



Anti-MAPK7 (mitogen-activated protein kinase 7 isoform 1) Phospho Polyclonal Antibody

Category: Phospho-Polyclonal Antibody

Catalog #: Phospho AB1K031(ERK 5 S496)

Antigen Synonym: BMK1; ERK4; ERK5; PRKM7

Species Reactivity: Human, Mouse, Rat

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of human MAPK7 (mitogen-activated protein kinase 7 isoform 1)

Description: MAPK7 (mitogen-activated protein kinase 7 isoform 1) is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is specifically activated by mitogen-activated protein kinase kinase 5 (MAP2K5/MEK5). It is involved in the downstream signaling processes of various receptor molecules including receptor type kinases, and G protein-coupled receptors. In response to extracellular signals, this kinase translocates to cell nucleus, where it regulates gene expression by phosphorylating, and activating different transcription factors. Four alternatively spliced transcript variants of this gene encoding two distinct isoforms have been reported.

Reference:

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