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

Category: Polyclonal Antibody

Catalog #: AB1K034

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 very 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 o 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 extracelluar signals, this kinase translocates to cell nucleus, where it regulates gene expression by phosphorylating, and activating different transcription factors. Four alternative spliced transcript variants of this gene encoding two distinct isoforms have been reported.

Reference:
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