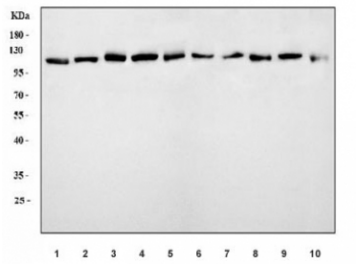
Mitogen-activated protein kinase 7 Antibody / MAPK7 (RQ7093)

Catalog No.	Formulation	Size
RQ7093	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q13164
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Mitogen-activated protein kinase 7 antibody is available for research use only.



Western blot testing of 1) human K562, 2) human 293T, 3) monkey COS-7, 4) human HeLa, 5) human A549, 6) rat brain, 7) rat PC-6, 8) mouse lung, 9) mouse brain and 10) mouse kidney tissue lysate with Mitogen-activated protein kinase 7 antibody. Expected molecular weight: 80-115 kDa.

Description

Mitogen-activated protein kinase 7 also known as MAP kinase 7 is an enzyme that in humans is encoded by the MAPK7 gene. The protein encoded by this gene 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 extracelluar 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.

Application Notes

Optimal dilution of the Mitogen-activated protein kinase 7 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids F363-P816) was used as the immunogen for the Mitogen-activated protein kinase 7 antibody.

Storage

After reconstitution, the Mitogen-activated protein kinase 7 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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