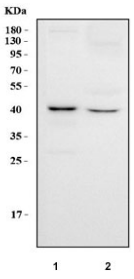
Mitogen-activated protein kinase 13 Antibody / MAPK13 / SAPK4 (RQ8466)

Catalog No.	Formulation	Size
RQ8466	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human
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	O15264
Applications	Western Blot : 0.5-1ug/ml ELISA : 0.1-0.5ug/ml
Limitations	This Mitogen-activated protein kinase 13 antibody is available for research use only.



Western blot testing of human 1) T-47D and 2) HepG2 cell lysate with Mitogen-activated protein kinase 13 antibody. Predicted molecular weight ~42 kDa.

Description

Mitogen-activated protein kinase 13 (MAPK 13), also known as stress-activated protein kinase 4 (SAPK4), is an enzyme that in humans is encoded by the MAPK13 gene. This gene encodes a member of the mitogen-activated protein (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. The encoded protein is a p38 MAP kinase and is activated by proinflammatory cytokines and cellular stress. Substrates of the encoded protein include the transcription factor ATF2 and the microtubule dynamics regulator stathmin. Alternatively spliced transcript

variants have been observed for this gene.

Application Notes

Optimal dilution of the Mitogen-activated protein kinase 13 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids L328-L365) was used as the immunogen for the Mitogen-activated protein kinase 13 antibody.

Storage

After reconstitution, the Mitogen-activated protein kinase 13 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.