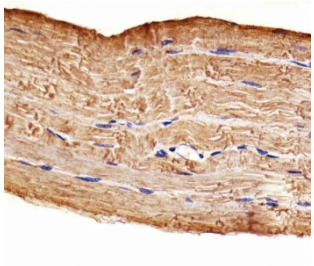
MAP4K3 Antibody / MEKKK3 / GLK [clone 219CT8.3.1] (F54521)

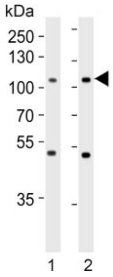
Catalog No.	Formulation	Size
F54521-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54521-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	IgM, kappa
Clone Name	219CT8.3.1
Purity	Purified
UniProt	Q8IVH8
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:25
Limitations	This MAP4K3 antibody is available for research use only.



IHC testing of FFPE human skeletal muscle tissue with MAP4K3 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human 1) HepG2 and 2) MCF7 cell lysate with MAP4K3 antibody. Predicted molecular weight ~101 kDa.

Description

This gene encodes a member of the Ste20 family of serine/threonine protein kinases. The protein belongs to the subfamily that consists of members, such as germinal center kinase (GCK), that are characterized by an N-terminal catalytic domain and C-terminal regulatory domain. The kinase activity of the encoded protein can be stimulated by UV radiation and tumor necrosis factor-alpha. The protein specifically activates the c-Jun N-terminal kinase (JNK) signaling pathway. Evidence suggests that it functions upstream of mitogen-activated protein kinase kinase kinase 1 (MEKK1). This gene previously was referred to as RAB8-interacting protein-like 1 (RAB8IPL1), but it has been renamed mitogen-activated protein kinase kinase kinase kinase 3 (MAP4K3).

Application Notes

The stated application concentrations are suggested starting points. Titration of the MAP4K3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Recombinant human protein was used as the immunogen for the MAP4K3 antibody.

Storage

Aliquot the MAP4K3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.