MAP4K2 antibody

Product Information

Catalog No.:	FNab04981
Size:	100μg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Serine/threonine-protein kinase which acts as an essential component of the MAP kinase signal transduction pathway. Acts as a MAPK kinase kinase kinase(MAP4K) and is an upstream activator of the stress-activated protein kinase/c-Jun N-terminal kinase(SAP/JNK) signaling pathway and to a lesser extend of the p38 MAPKs signaling pathway. Required for the efficient activation of JNKs by TRAF6-dependent stimuli, including pathogen-associated molecular patterns(PAMPs) such as polyinosine-polycytidine(poly(IC)), lipopolysaccharides(LPS), lipid A, peptidoglycan(PGN), or bacterial flagellin. To a lesser degree, IL-1 and engagement of CD40 also stimulate MAP4K2-mediated JNKs activation. The requirement for MAP4K2/GCK is most pronounced for LPS signaling, and extends to LPS stimulation of c-Jun phosphorylation and induction of IL-8. Enhances MAP3K1 oligomerization, which may relieve N-terminal mediated MAP3K1 autoinhibition and lead to activation following autophosphorylation. Mediates also the SAP/JNK signaling pathway and the p38 MAPKs signaling pathway through activation of the MAP3Ks MAP3K10/MLK2 and MAP3K11/MLK3. May play a role in the regulation of vesicle targeting or fusion. regulation of vesicle targeting or fusion.

Immunogen information

Immunogen:	mitogen-activated protein kinase kinase kinase kinase 2
Synonyms:	Mitogen-activated protein kinase kinase kinase kinase 2|B lymphocyte serine/threonine-protein kinase|Germinal center kinase (GC kinase)|MAPK/ERK kinase kinase kinase 2 (MEK kinase kinase 2, MEKKK 2)|Rab8-interacting protein|MAP4K2|GCK|RAB8IP

Observed MW: 85-91 kDa, 58 kDa

Uniprot ID : Q12851

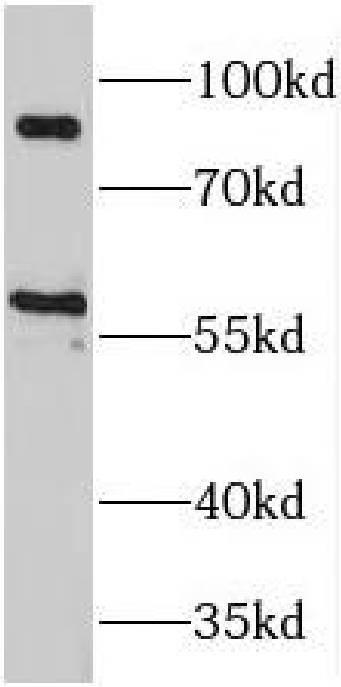
Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:2000

Image:



mouse brain tissue were subjected to SDS PAGE followed by western blot with FNab04981(MAP4K2 antibody) at dilution of 1:300