Datasheet for ABIN7116461

anti-MAP4K2 antibody

Go to Product page

Overview

Quantity:	100 µg
Target:	MAP4K2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP4K2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	mitogen-activated protein kinase kinase kinase kinase 2
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	MAP4K2
Alternative Name:	MAP4K2 (MAP4K2 Products)
Background:	Synonyms:GCK, RAB8IP 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

Target Details

	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.
Molecular Weight:	85-91kd,58kd
Gene ID:	5871
UniProt:	Q12851

Application Details

Application Notes:	WB: 1:500-1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months