

Datasheet for ABIN7150728

anti-MAP2K7 antibody (AA 17-160) (HRP)



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Overview

Quantity:	100 µg
Target:	MAP2K7
Binding Specificity:	AA 17-160
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP2K7 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Dual specificity mitogen-activated protein kinase kinase 7 protein (17-160AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	MAP2K7
Alternative Name:	MAP2K7 (MAP2K7 Products)
Background:	Background: Dual specificity protein kinase which acts as an essential component of the MAP

Target Details

kinase signal transduction pathway. Essential component of the stress-activated protein kinase/c-Jun N-terminal kinase (SAP/JNK) signaling pathway. With MAP2K4/MKK4, is the one of the only known kinase to directly activate the stress-activated protein kinase/c-Jun N-terminal kinases MAPK8/JNK1, MAPK9/JNK2 and MAPK10/JNK3. MAP2K4/MKK4 and MAP2K7/MKK7 both activate the JNKs by phosphorylation, but they differ in their preference for the phosphorylation site in the Thr-Pro-Tyr motif. MAP2K4/MKK4 shows preference for phosphorylation of the Tyr residue and MAP2K7/MKK7 for the Thr residue. The monophosphorylation of JNKs on the Thr residue is sufficient to increase JNK activity indicating that MAP2K7/MKK7 is important to trigger JNK activity, while the additional phosphorylation of the Tyr residue by MAP2K4/MKK4 ensures optimal JNK activation. Has a specific role in JNK signal transduction pathway activated by proinflammatory cytokines. The MKK/JNK signaling pathway is also involved in mitochondrial death signaling pathway, including the release cytochrome c, leading to apoptosis.

Aliases: c-Jun N-terminal kinase kinase 2 antibody, Dual specificity mitogen activated protein kinase kinase 7 antibody, Dual specificity mitogen-activated protein kinase kinase 7 antibody, JNK activating kinase 2 antibody, JNK kinase 2 antibody, JNK-activating kinase 2 antibody, JNKK 2 antibody, Jnkk-2 antibody, Jnkk2 antibody, MAP kinase kinase 7 antibody, MAP2K7 antibody, MAPK/ERK kinase 7 antibody, MAPKK 7 antibody, MAPKK-7 antibody, MAPKK7 antibody, MEK 7 antibody, Mitogen Activated Protein Kinase kinase 7 antibody, MKK 7 antibody, MKK-7 antibody, MKK7 antibody, MP2K7_HUMAN antibody, PRKMK 7 antibody, PRKMK-7 antibody, PRKMK7 antibody, SAPK kinase 4 antibody, SAPKK-4 antibody, SAPKK4 antibody, Sek 2 antibody, Sek-2 antibody, Sek2 antibody, SKK4 antibody, stress-activated protein kinase kinase 4 antibody

UniProt:	O14733
Pathways:	MAPK Signaling , TLR Signaling , Fc-epsilon Receptor Signaling Pathway , Activation of Innate immune Response , Toll-Like Receptors Cascades , BCR Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
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Handling

Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.