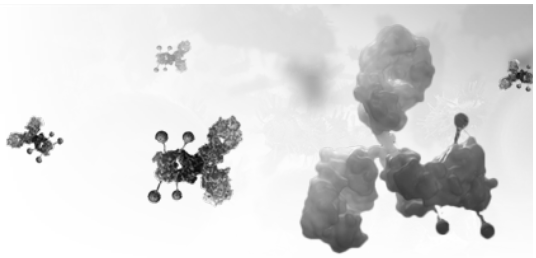

Anti-MAP2K7 (aa 1-99) polyclonal antibody (DPAB-DC2476)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase specifically activates MAPK8/JNK1 and MAPK9/JNK2, and this kinase itself is phosphorylated and activated by MAP kinase kinase kinases including MAP3K1/MEKK1, MAP3K2/MEKK2,MAP3K3/MEKK5, and MAP4K2/GCK. This kinase is involved in the signal transduction mediating the cell responses to proinflammatory cytokines, and environmental stresses. Alternative splicing results in multiple transcript variants.
Immunogen	MAP2K7 (NP_660186, 1 a.a. ~ 99 a.a) partial recombinant protein with GST tag. The sequence is MAASSLEQKLSRLEAKLKQENREARRRIDLNLDISPQRPRPTLQLPLANDGGSRSPSSES SPQHPTPPARPRHMLGLPSTLFTPRSMESIEIDQKLQEI
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Gene Name	MAP2K7 mitogen-activated protein kinase kinase 7 [Homo sapiens (human)]
Official Symbol	MAP2K7
Synonyms	MAP2K7; mitogen-activated protein kinase kinase 7; MEK; MKK7; JNKK2; MEK 7; MAPKK7; PRKMK7; SAPKK4; SAPKK-4; dual specificity mitogen-activated protein kinase kinase 7; SAPK kinase 4; MAPK/ERK kinase 7; MAP kinase kinase 7; JNK-activating kinase 2; c-Jun N-terminal kinase kinase 2; stress-activated protein kinase kinase 4;
Entrez Gene ID	5609
Protein Refseq	NP_001284484
UniProt ID	B4DV95
Chromosome Location	19p13.3-p13.2
Pathway	Activated TLR4 signalling; Cellular Senescence; Cellular roles of Anthrax toxin; Epstein-Barr virus infection
Function	ATP binding; JUN kinase kinase activity; MAP kinase kinase activity; magnesium ion binding

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