Datasheet for ABIN7180044

anti-MAP3K8 antibody (Ser400)

2 Images

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Overview

Quantity:	100 µL
Target:	MAP3K8
Binding Specificity:	Ser400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP3K8 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthesized non-phosphopeptide derived from Human MAP3K8 around the phosphorylation site of serine 400 (C-Q-S(p)-L-D).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	MAP3K8
Alternative Name:	MAP3K8 (MAP3K8 Products)

Target Details

Background:	Background: Required for lipopolysaccharide (LPS)-induced, TLR4-mediated activation of the MAPK/ERK pathway in macrophages, thus being critical for production of the proinflammatory cytokine TNF-alpha (TNF) during immune responses. Involved in the regulation of T-helper cell differentiation and IFNG expression in T-cells. Involved in mediating host resistance to bacterial infection through negative regulation of type I interferon (IFN) production. In vitro, activates MAPK/ERK pathway in response to IL1 in an IRAK1-independent manner, leading to up-regulation of IL8 and CCL4. Transduces CD40 and TNFRSF1A signals that activate ERK in B-cells and macrophages, and thus may play a role in the regulation of immunoglobulin production. May also play a role in the transduction of TNF signals that activate JNK and NF-kappa-B in some cell types. In adipocytes, activates MAPK/ERK pathway in an IKBKB-dependent manner in response to IL1B and TNF, but not insulin, leading to induction of lipolysis. Plays a role in the cell cycle. Isoform 1 shows some transforming activity, although it is much weaker than that of the activated oncogenic variant. Miyoshi J.,Mol. Cell. Biol. 11:4088-4096(1991). Aoki M., J. Biol. Chem. 268:22723-22732(1993). Chan A.M.,Oncogene 8:1329-1333(1993). Aliases: AURA2 antibody, c COT antibody, Cancer Osaka thyroid oncogene antibody, CCOT antibody, COT antibody, COT proto oncogene serine/threonine protein kinase antibody, EST antibody, ESTF antibody, Ewing sarcoma transformant antibody, FLJ10486 antibody, M3K8_HUMAN antibody, MAP3K 8 antibody, MAP3K8 antibody, MEKK8 antibody, Mitogen activated protein kinase kinase kinase 8 antibody, Mitogen-activated protein kinase kinase kinase 8 antibody, Proto oncogene cCot antibody, Proto-oncogene c-Cot antibody, Serine/threonine protein kinase cot antibody, Serine/threonine-protein kinase cot antibody, TPL 2 antibody, TPL-2 antibody, TPL2 antibody, Tumor progression locus 2 antibody
UniProt:	P41279
Pathways:	PI3K-Akt Signaling, TCR Signaling

Application Details

Application Notes:	WB:1:500-1:3000, IHC:1:50-1:100,
Restrictions:	For Research Use only

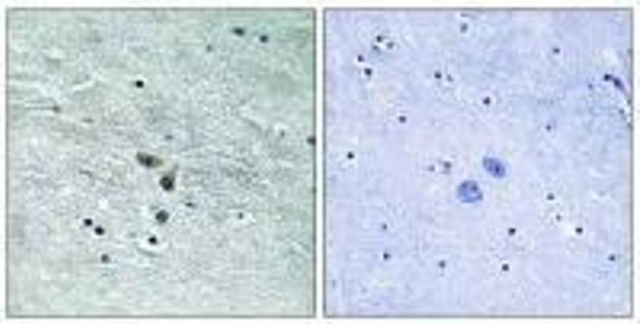
Handling

Format:	Liquid

Handling

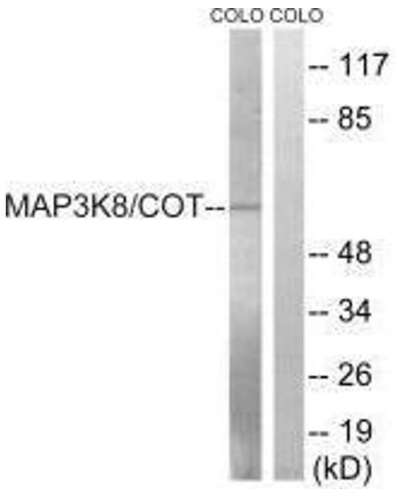
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry analysis of paraffin-embedded human brain tissue using MAP3K8 (Ab-400) antibody.



Western Blotting

Image 2. Western blot analysis of extracts from COLO cells, treated with Insulin (0.01U/mL, 15 mins), using MAP3K8 (Ab-400) antibody.