

## MAP3K8 (Ab-400) Antibody

Catalog No: #33235

Package Size: #33235-1 50ul #33235-2 100ul

## Description

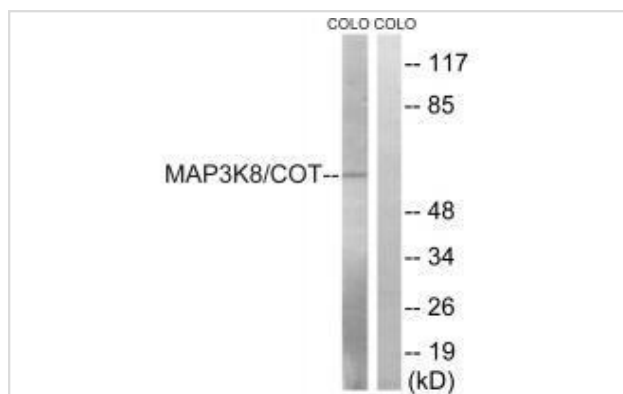
|                       |                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | MAP3K8 (Ab-400) Antibody                                                                                                                           |
| Host Species          | Rabbit                                                                                                                                             |
| Clonality             | Polyclonal                                                                                                                                         |
| Purification          | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                              |
| Applications          | WB IHC                                                                                                                                             |
| Species Reactivity    | Hu                                                                                                                                                 |
| Specificity           | The antibody detects endogenous levels of total MAP3K8 protein.                                                                                    |
| Immunogen Type        | Peptide                                                                                                                                            |
| Immunogen Description | Synthesized non-phosphopeptide derived from human MAP3K8 around the phosphorylation site of serine 400 (C-Q-S(p)-L-D).                             |
| Conjugates            | Unconjugated                                                                                                                                       |
| Target Name           | MAP3K8                                                                                                                                             |
| Other Names           | C-COT; cancer Osaka thyroid oncogene; COT proto-oncogene serine/threonine-protein kinase; EC 2.7.11.25; kinase Cot                                 |
| Accession No.         | Swiss-Prot: P41279NCBI Gene ID: 1326                                                                                                               |
| SDS-PAGE MW           | 60kd                                                                                                                                               |
| Concentration         | 1.0mg/ml                                                                                                                                           |
| Formulation           | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage               | Store at -20°C                                                                                                                                     |

## Application Details

Western blotting: 1:500~1:3000

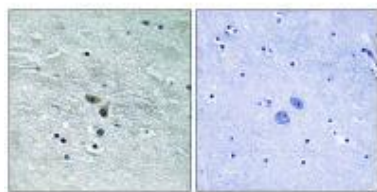
Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from COLO cells, treated with Insulin (0.01U/ml, 15mins), using MAP3K8 (Ab-400) antibody #33235.

Immunohistochemistry analysis of paraffin-embedded human brain tissue using MAP3K8 (Ab-400) antibody #33235.



## 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 IKKKB-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).

## Published Papers

et al., Inhibition of TPL2 by interferon-α suppresses bladder cancer through activation of PDE4D. In J Exp Clin Cancer Res. On 2018 Nov 27 by Qiang Z, Zhou ZY et al.. PMID: 30482227, , (2018)

[PMID:30482227](#)

et al., Experiments from unfinished Registered Reports in the Reproducibility Project: Cancer Biology. In Elife on 2021 Dec 7 by Timothy M Errington, Alexandria Denis,

et al.. PMID:34874009, , (2021)

[PMID:34874009](#)

**Note:** This product is for in vitro research use only and is not intended for use in humans or animals.