

Mouse Map3k8 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14263a**Specification**

Mouse Map3k8 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q07174](#)**Mouse Map3k8 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 26410**Other Names**

Mitogen-activated protein kinase kinase kinase 8, Cancer Osaka thyroid oncogene, Proto-oncogene c-Cot, Serine/threonine-protein kinase cot, Tumor progression locus 2, TPL-2, Map3k8, Cot, Tpl2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mouse Map3k8 Antibody (N-term) Blocking Peptide - Protein Information**Name** Map3k8**Synonyms** Cot, Tpl2**Function**

Required for lipopolysaccharide (LPS)-induced, TLR4-mediated activation of the MAPK/ERK pathway in macrophages, thus being critical for production of the pro-inflammatory 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. 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.

Cellular Location

Cytoplasm.

Tissue Location

Expressed in bone marrow-derived macrophages, peritoneal macrophages, splenocytes and 3T3-L1 fibroblasts and differentiated adipocytes (at protein level). Highly expressed in adult submandibular gland, thymus, spleen and newborn digestive tract

Mouse Map3k8 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

Mouse Map3k8 Antibody (N-term) Blocking Peptide - Images

Mouse Map3k8 Antibody (N-term) Blocking Peptide - Background

Required for TLR4 activation of the MEK/ERK pathway. Able to activate NF-kappa-B 1 by stimulating proteasome-mediated proteolysis of NF-kappa-B 1/p105. Plays a role in the cell cycle (By similarity).

Mouse Map3k8 Antibody (N-term) Blocking Peptide - References

Soria-Castro, I., et al. J. Biol. Chem. 285(44):33805-33815(2010)Ohnishi, T., et al. J. Dent. Res. 89(2):192-197(2010)Watford, W.T., et al. J. Immunol. 184(1):105-113(2010)Mielke, L.A., et al. J. Immunol. 183(12):7984-7993(2009)Xiao, N., et al. J. Immunol. 183(12):7975-7983(2009)