

Product Information

Anti-MAP2K1
antibody produced in chicken,
affinity isolated antibody

Catalog Number **GW21068**

Formerly listed as GenWay Catalog Number 15-288-21068,
Dual specificity mitogen-activated protein kinase kinase 1
Antibody.

Storage Temperature Store at -20 °C

Synonyms: Mitogen-activated protein kinase kinase 1, EC 2.7.12.2; MAP kinase kinase 1; MAPKK 1; ERK activator kinase 1; MAPK/ERK kinase 1; MEK1

Product Description

Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates ERK1 and ERK2 MAP kinases. The protein encoded by this gene is a member of the dual specificity protein kinase family, which acts as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs) act as an integration point for multiple biochemical signals. This protein kinase lies upstream of MAP kinases and stimulates the enzymatic activity of MAP kinases upon wide variety of extra- and intracellular signals. As an essential component of MAP kinase signal transduction pathway, this kinase is involved in many cellular processes such as proliferation, differentiation, transcription regulation, and development.

NCBI Accession number: NP_002746.1

Swiss Prot Accession number: Q02750

Gene Information: Human .. MAP2K1 (5604)

Immunogen: Recombinant protein Mitogen-activated protein kinase kinase 1

Immunogen Sequence: GI # 5579478, sequence 1 - 28

The product is a clear, colorless solution in phosphate buffered saline, pH 7.2, containing 0.02% sodium azide.

Species Reactivity: Human, mouse, rat

Tested Applications: WB

Recommended Dilutions: Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining 1:200.

Note: Optimal concentrations and conditions for each application should be determined by the user.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2–8 °C for up to one week. For extended storage, store in -20 °C freezer in working aliquots. Repeated freezing and thawing, or storage in "frostfree" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

LPG,MAM12/09-1

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