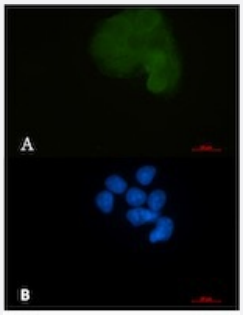
RecomAb™

MAP2K1 recombinant monoclonal antibody, clone R01-3C2

Catalog # RAB01812 Size 100 uL

Applications



Immunocytochemistry

Immunocytochemical staining of HeLa with MAP2K1 recombinant monoclonal antibody, clone R01-3C2 (Cat # RAB01812).(A) MAP2K1 (green) and (B) DAPI (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MAP2K1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human MAP2K1.
Theoretical MW (kDa)	Calculated MW: 43 kD
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG

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Recommend Usage	Immunocytochemistry Immunofluorescence (1:50-1:200) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Immunocytochemistry

  Immunocytochemical staining of HeLa with MAP2K1 recombinant monoclonal antibody, clone R01-3C2 (Cat # RAB01812).(A) MAP2K1 (green) and (B) DAPI (blue).
- Immunoprecipitation
- Western Blot

Gene Info — MAP2K1

Entrez GeneID	5604
Protein Accession#	Q02750
Gene Name	MAP2K1
Gene Alias	MAPKK1, MEK1, MKK1, PRKMK1
Gene Description	mitogen-activated protein kinase kinase 1
Omim ID	176872
Gene Ontology	Hyperlink

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Gene Summary	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. [provided by RefSeq
Other Designations	protein kinase, mitogen-activated, kinase 1 (MAP kinase kinase 1)

Pathway

- Acute myeloid leukemia
- B cell receptor signaling pathway
- Bladder cancer
- Chemokine signaling pathway
- Chronic myeloid leukemia
- Colorectal cancer
- Dorso-ventral axis formation
- Endometrial cancer
- ErbB signaling pathway
- Fc epsilon RI signaling pathway
- Fc gamma R-mediated phagocytosis
- Focal adhesion
- Gap junction
- Glioma
- GnRH signaling pathway
- Insulin signaling pathway
- Long-term depression
- Long-term potentiation
- MAPK signaling pathway

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- Melanogenesis
- Melanoma
- Natural killer cell mediated cytotoxicity
- Neurotrophin signaling pathway
- Non-small cell lung cancer
- Pancreatic cancer
- Pathways in cancer
- Prion diseases
- Prostate cancer
- Regulation of actin cytoskeleton
- Renal cell carcinoma
- T cell receptor signaling pathway
- Thyroid cancer
- Toll-like receptor signaling pathway
- Vascular smooth muscle contraction
- VEGF signaling pathway

Disease

- Abnormalities
- Adenocarcinoma
- Carcinoma
- Cognition Disorders
- Developmental Disabilities
- Ectodermal Dysplasia
- Genetic Predisposition to Disease
- Glioma

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- Heart Defects
- LEOPARD Syndrome
- Lung Neoplasms
- Mental Retardation
- Noonan Syndrome
- Pancreatic Neoplasms
- Skin Abnormalities
- Syndrome

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