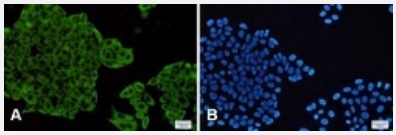
RecomAb™

MAP2K1/MAP2K2 recombinant monoclonal antibody, clone R08-6A7

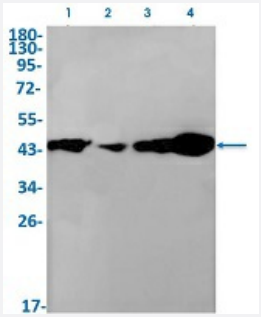
Catalog # RAB02109 Size 100 uL

Applications



Immunocytochemistry

Immunocytochemical staining of Hela with MAP2K1/MAP2K2 recombinant monoclonal antibody, clone R08-6A7 (Cat # RAB02109). (A) MAP2K1/MAP2K2 (green) and (B) DAPI (blue).



Western Blot

Western Blot analysis of Lane 1: K562, Lane 2: C6, Lane 3: 3T3 and Lane 4: Hela lysates with MAP2K1/MAP2K2 recombinant monoclonal antibody, clone R08-6A7 (Cat # RAB02109).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MAP2K1/MAP2K2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human MAP2K1/MAP2K2.
Theoretical MW (kDa)	Calculated MW: 43,44
Reactivity	Human, Mouse, Rat

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Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence(1:50-1:200) Immunohistochemistry (1:50-1:100) 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

- Immunohistochemistry
- Immunofluorescence
- Immunocytochemistry

  Immunocytochemical staining of Hela with MAP2K1/MAP2K2 recombinant monoclonal antibody, clone R08-6A7 (Cat # RAB02109). (A) MAP2K1/MAP2K2 (green) and (B) DAPI (blue).

- Immunoprecipitation
- Western Blot

  Western Blot analysis of Lane 1: K562, Lane 2: C6, Lane 3: 3T3 and Lane 4: Hela lysates with MAP2K1/MAP2K2 recombinant monoclonal antibody, clone R08-6A7 (Cat # RAB02109).

Gene Info — MAP2K1

Entrez GeneID	5604
Protein Accession#	Q02750;P36507

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Gene Name	MAP2K1
Gene Alias	MAPKK1, MEK1, MKK1, PRKMK1
Gene Description	mitogen-activated protein kinase kinase 1
Omim ID	176872
Gene Ontology	Hyperlink
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 extracellu lar signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. T his protein kinase lies upstream of MAP kinases and stimulates the enzymatic activity of MAP kin ases upon wide variety of extra- and intracellular signals. As an essential component of MAP kina se signal transduction pathway, this kinase is involved in many cellular processes such as prolifer ation, differentiation, transcription regulation and development. [provided by RefSeq
Other Designations	protein kinase, mitogen-activated, kinase 1 (MAP kinase kinase 1)

Gene Info — MAP2K2

Entrez GeneID	5605
Protein Accession#	Q02750;P36507
Gene Name	MAP2K2
Gene Alias	FLJ26075, MAPKK2, MEK2, MKK2, PRKMK2
Gene Description	mitogen-activated protein kinase kinase 2
Omim ID	115150 601263
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kina se kinase family. This kinase is known to play a critical role in mitogen growth factor signal transd uction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of th is kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. Mutat ions in this gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterize d by heart defects, mental retardation, and distinctive facial features similar to those found in Noo nan syndrome. The inhibition or degradation of this kinase is also found to be involved in the path ogenesis of Yersinia and anthrax. A pseudogene, which is located on chromosome 7, has been i dentified for this gene. [provided by RefSeq
Other Designations	ERK activator kinase 2|MAP kinase kinase 2|MAPK/ERK kinase 2|dual specificity mitogen-activa ted protein kinase kinase 2|mitogen-activated protein kinase kinase 2, p45

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Pathway

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

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- GnRH signaling pathway
- Insulin signaling pathway
- Insulin signaling pathway
- Long-term depression
- Long-term depression
- Long-term potentiation
- Long-term potentiation
- MAPK signaling pathway
- MAPK signaling pathway
- Melanogenesis
- Melanogenesis
- Melanoma
- Melanoma
- Natural killer cell mediated cytotoxicity
- Natural killer cell mediated cytotoxicity
- Neurotrophin signaling pathway
- Neurotrophin signaling pathway
- Non-small cell lung cancer
- Non-small cell lung cancer
- Pancreatic cancer
- Pathways in cancer
- Pathways in cancer
- Prion diseases
- Prion diseases
- Prostate cancer
- Prostate cancer

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- Regulation of actin cytoskeleton
- Regulation of actin cytoskeleton
- Renal cell carcinoma
- Renal cell carcinoma
- T cell receptor signaling pathway
- T cell receptor signaling pathway
- Thyroid cancer
- Thyroid cancer
- Toll-like receptor signaling pathway
- Toll-like receptor signaling pathway
- Vascular smooth muscle contraction
- Vascular smooth muscle contraction
- VEGF signaling pathway
- VEGF signaling pathway

Disease

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

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

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