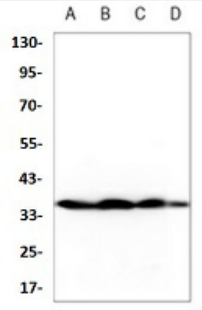
RecomAb™

MAPK14 recombinant monoclonal antibody

Catalog # RAB02601 Size

Applications



Western Blot (Cell lysate)

Western blot analysis of Hela (A), A549 (B), MCF7 (C), U251 (D) whole cell lysates with MAPK14 recombinant monoclonal antibody (Cat # RAB02601).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MAPK14.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human MAPK14.
Theoretical MW (kDa)	38
Reactivity	Human
Specificity	Recognizes endogenous levels of p38 protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunoprecipitation (1:10-1:50) Western Blot (1:500-1:1000)

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Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunoprecipitation
- Western Blot (Cell lysate)

  Western blot analysis of Hela (A), A549 (B), MCF7 (C), U251 (D) whole cell lysates with MAPK14 recombinant monoclonal antibody (Cat # RAB02601).

Gene Info — MAPK14

Entrez GeneID	1432
Protein Accession#	Q16539
Gene Name	MAPK14
Gene Alias	CSBP1, CSBP2, CSPB1, EXIP, Mxi2, PRKM14, PRKM15, RK, SAPK2A, p38, p38ALPHA
Gene Description	mitogen-activated protein kinase 14
Omim ID	600289
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular pro cesses such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various environmental stresses and proinflammatory cytokines. The activation requ ires its phosphorylation by MAP kinase kinases (MKKs), or its autophosphorylation triggered by t he interaction of MAP3K7IP1/TAB1 protein with this kinase. The substrates of this kinase include transcription regulator ATF2, MEF2C, and MAX, cell cycle regulator CDC25B, and tumor suppres sor p53, which suggest the roles of this kinase in stress related transcription and cell cycle regulat ion, as well as in genotoxic stress response. Four alternatively spliced transcript variants of this g ene encoding distinct isoforms have been reported. [provided by RefSeq

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Other Designations	Csaids binding protein|MAP kinase Mxi2|MAX-interacting protein 2|cytokine suppressive anti-inflammatory drug binding protein|p38 MAP kinase|p38 mitogen activated protein kinase|p38alpha Exip|stress-activated protein kinase 2A

Pathway

- Amyotrophic lateral sclerosis (ALS)
- Epithelial cell signaling in Helicobacter pylori infection
- Fc epsilon RI signaling pathway
- GnRH signaling pathway
- Leukocyte transendothelial migration
- MAPK signaling pathway
- Neurotrophin signaling pathway
- T cell receptor signaling pathway
- Toll-like receptor signaling pathway
- VEGF signaling pathway

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Disease Models
- Edema
- Genetic Predisposition to Disease
- HIV Infections
- Narcolepsy
- Obesity
- Ovarian Failure

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- Polycystic Ovary Syndrome
- Puberty
- Schizophrenia
- Thrombophilia
- Tobacco Use Disorder

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