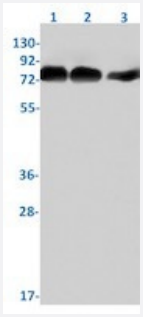
RecomAb™

MAP3K7 (phospho Ser439) recombinant monoclonal antibody, clone R07-7K2

Catalog # RAB01877 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane1: 3T3, Lane2: C6 and Lane3: MCF-7 lysates with MAP3K7 (phospho Ser439) recombinant monoclonal antibody, clone R07-7K2 (Cat # RAB01877).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MAP3K7.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding Ser439 of human MAP3K7.
Theoretical MW (kDa)	Calculated MW: 67 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG

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Recommend Usage	mmunofluorescence (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
- Immunoprecipitation
- Western Blot

  Western blot analysis of Lane1: 3T3, Lane2: C6 and Lane3: MCF-7 lysates with MAP3K7 (phospho Ser439) recombinant monoclonal antibody, clone R07-7K2 (Cat # RAB01877).

Gene Info — MAP3K7

Entrez GeneID	6885
Protein Accession#	O43318
Gene Name	MAP3K7
Gene Alias	TAK1, TGF1a
Gene Description	mitogen-activated protein kinase kinase kinase 7
Omim ID	602614
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase mediates the signaling transduction induced by TGF beta and morphogenetic protein (BMP), and controls a variety of cell functions including transcription regulation and apoptosis. In response to IL-1, this protein forms a kinase complex including TRAF6, MAP3K7P1/TAB1 and MAP3K7P2/TAB2; this complex is required for the activation of nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus plays a role in the cell response to environmental stresses. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq
Other Designations	OTTHUMP00000016870|OTTHUMP00000016871|OTTHUMP00000016872|OTTHUMP00000016873|TGF-beta activated kinase 1|transforming growth factor-beta-activated kinase 1

Pathway

- Adherens junction
- MAPK signaling pathway
- T cell receptor signaling pathway
- Toll-like receptor signaling pathway
- Wnt signaling pathway

Disease

- Arthritis
- Crohn Disease
- Genetic Predisposition to Disease
- Inflammatory Bowel Diseases
- Narcolepsy
- Tobacco Use Disorder

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