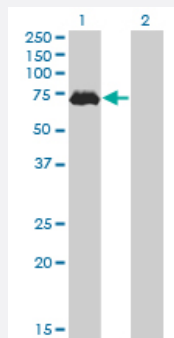


MAP3K7 monoclonal antibody (M02), clone 2E10

Catalog # H00006885-M02

Size 100 ug

Applications

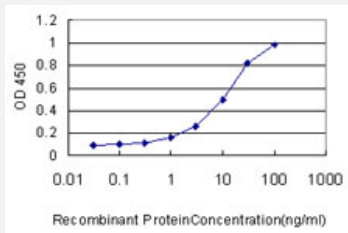


Western Blot (Transfected lysate)

Western Blot analysis of MAP3K7 expression in transfected 293T cell line by MAP3K7 monoclonal antibody (M02), clone 2E10.

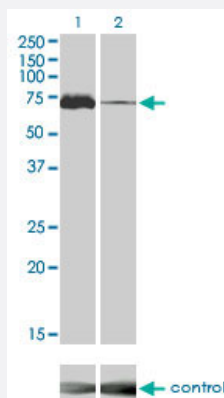
Lane 1: MAP3K7 transfected lysate (63.8 kDa).

Lane 2: Non-transfected lysate.



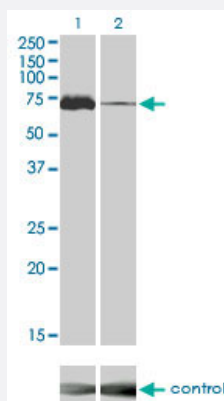
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MAP3K7 is approximately 1 ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of MAP3K7 over-expressed 293 cell line, cotransfected with MAP3K7 Validated Chimera RNAi (Cat # H00006885-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with MAP3K7 monoclonal antibody (M02) clone 2E10 (Cat # H00006885-M02). GAPDH (36.1 kDa) used as specificity and loading control.



RNAi Knockdown (Antibody validated)

Western blot analysis of MAP3K7 over-expressed 293 cell line, cotransfected with MAP3K7 Validated Chimera RNAi (Cat # H00006885-R02V) (Lane 2) or non-transfected control (Lane 1). Blot probed with MAP3K7 monoclonal antibody (M02) clone 2E10 (Cat # H00006885-M02). GAPDH (36.1 kDa) used as specificity and loading control.

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant MAP3K7.
Immunogen	MAP3K7 (AAH17715, 1 a.a. ~ 579 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSTASAASSSSSSSAGEMIEAPSQVLNFEEIDYKEIEVEEVVGRGAFGVVCKAKWRAKDVAIKQIESESERKAFVELRQLSRVNHPIVNVKLYGACLNPNVCLVMEYAEGGSLYNVLHGAELPYTAAHAMSWCLQCSQGVAYLHSMQPKALIHRLKPPNLLL VAGGTVLKICDFGTACDIQTHMTNNGSAAWMAPEVFEGSNYSEKCDVFSWGILWEVITRRKPFDEIGGPAFRIMWAVHNGTRPPLIKNLPKPIESLMTRCWSKDPSQRPSMEEIVKIMTHLMRYFPGADEPLQYPCQYSDEGQSNSATSTGSFMDIASTNTSNKSDTNMEQVPATNDTIKRLSKLLKNQAKQQSESGRSLGASRGSSVESLPPTSEGKRMSADMSEIEARIAATTGNGQPRRRSIQDLTVTGTEPGQVSSRSSSPSVRMITTSPTSEKPTRSHPWTPDDSTDNTGSDNSIPMAYLTLDHQLQPLAPCPNSKESMAVFEQHCKMAQEYMKVQTEIALLLQRKQELVAELDQDEKDQQNTSRLVQEHKKLLDENKSLSTYYQQCKKQLEVIRSQQQKRQGTS
Host	Mouse
Reactivity	Human
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of MAP3K7 expression in transfected 293T cell line by MAP3K7 monoclonal antibody (M02), clone 2E10.

Lane 1: MAP3K7 transfected lysate(63.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MAP3K7 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of MAP3K7 over-expressed 293 cell line, cotransfected with MAP3K7 Validated Chimera RNAi (Cat # H00006885-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with MAP3K7 monoclonal antibody (M02) clone 2E10 (Cat # H00006885-M02). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

- RNAi Knockdown (Antibody validated)

Western blot analysis of MAP3K7 over-expressed 293 cell line, cotransfected with MAP3K7 Validated Chimera RNAi (Cat # H00006885-R02V) (Lane 2) or non-transfected control (Lane 1). Blot probed with MAP3K7 monoclonal antibody (M02) clone 2E10 (Cat # H00006885-M02). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — MAP3K7

Entrez GeneID [6885](#)

GeneBank Accession# [BC017715](#)

Protein Accession# [AAH17715](#)

Gene Name MAP3K7

Gene Alias TAK1, TGF1a

Gene Description mitogen-activated protein kinase kinase kinase 7

Omim ID [602614](#)

Gene Ontology

[Hyperlink](#)

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](#)