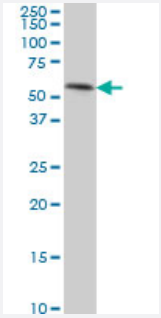
TEAD4 monoclonal antibody (M01), clone 5H3

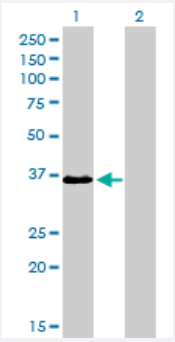
Catalog # H00007004-M01 Size 100 ug

Applications



Western Blot (Cell lysate)

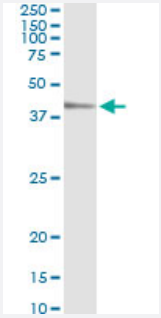
TEAD4 monoclonal antibody (M01), clone 5H3 Western Blot analysis of TEAD4 expression in HeLa (Cat # L013V1).



Western Blot (Transfected lysate)

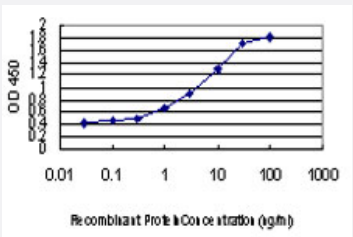
Western Blot analysis of TEAD4 expression in transfected 293T cell line by TEAD4 monoclonal antibody (M01), clone 5H3.

Lane 1: TEAD4 transfected lysate(34.2 KDa).
Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of TEAD4 transfected lysate using anti-TEAD4 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with TEAD4 MaxPab rabbit polyclonal antibody.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TEAD4 is approximately 0.03ng/ml as a capture antibody.

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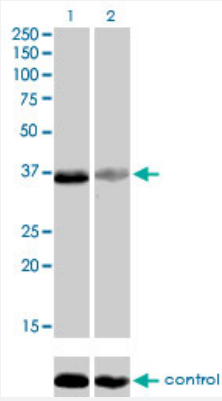
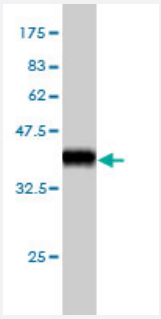


RNAi Knockdown (Antibody validated)

Western blot analysis of TEAD4 over-expressed 293 cell line, cotransfected with TEAD4 Validated Chimera RNAi (Cat # H00007004-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with TEAD4 monoclonal antibody (M01), clone 5H3 (Cat # H00007004-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant TEAD4.
Immunogen	TEAD4 (NP_003204, 151 a.a. ~ 260 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ARGPGRPAVSGFWQGALPGQAGTSHDVKPFSQQTYAVQPPLPLPGFESPAGPAPSPSAPPAP PWQGRSVASSKLWMLEFSAFLEQQQDPDTYNKHLFVHIGQSSPSYSDP
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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Applications

- Western Blot (Cell lysate)

  TEAD4 monoclonal antibody (M01), clone 5H3 Western Blot analysis of TEAD4 expression in HeLa (Cat # L013V1).

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of TEAD4 expression in transfected 293T cell line by TEAD4 monoclonal antibody (M01), clone 5H3.

  Lane 1: TEAD4 transfected lysate(34.2 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Immunoprecipitation

  Immunoprecipitation of TEAD4 transfected lysate using anti-TEAD4 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with TEAD4 MaxPab rabbit polyclonal antibody.

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged TEAD4 is approximately 0.03ng/ml as a capture antibody.

  Protocol Download

- ELISA

- RNAi Knockdown (Antibody validated)

  Western blot analysis of TEAD4 over-expressed 293 cell line, cotransfected with TEAD4 Validated Chimera RNAi (Cat # H00007004-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with TEAD4 monoclonal antibody (M01), clone 5H3 (Cat # H00007004-M01). GAPDH (36.1 kDa) used as specificity and loading control.

  Protocol Download

Gene Info — TEAD4

Entrez GeneID	7004

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GeneBank Accession#	NM_003213
Protein Accession#	NP_003204
Gene Name	TEAD4
Gene Alias	EFTR-2, MGC9014, RTEF1, TCF13L1, TEF-3, TEFR-1, hRTEF-1B
Gene Description	TEA domain family member 4
Omim ID	601714
Gene Ontology	Hyperlink
Gene Summary	This gene product is a member of the transcriptional enhancer factor (TEF) family of transcription factors, which contain the TEA/ATTS DNA-binding domain. It is preferentially expressed in the sk eletal muscle, and binds to the M-CAT regulatory element found in promoters of muscle-specific g enes to direct their gene expression. Alternatively spliced transcripts encoding distinct isoforms, s ome of which are translated through the use of a non-AUG (UUG) initiation codon, have been des cribed for this gene. [provided by RefSeq
Other Designations	related transcription enhancer factor 1B|transcription factor 13-like 1|transcriptional enhancer fact or 1-related|transcriptional enhancer factor 3

Publication Reference

- The YAP1/TAZ-TEAD transcriptional network regulates gene expression at neuromuscular junctions in skeletal muscle fibers.

  Lea Gessler, Danyil Huraskin, Yongzhi Jian, Nane Eiber, Zhaoyong Hu, Tomasz J Prószyński, Said Hashemolhosseini.

  Nucleic Acids Research 2024 Jan; 52(2):600.

  Application: WB, Mouse, Primary muscle cells

- Epigenetic silencing of miR-1271 enhances MEK1 and TEAD4 expression in gastric cancer.

  Lim B, Kim HJ, Heo H, Huh N, Baek SJ, Kim JH, Bae DH, Seo EH, Lee SI, Song KS, Kim SY, Kim YS, Kim M.

  Cancer Medicine 2018 Jun; [Epub].

  Application: WB-Tr, Human, MKN1, MKN74, SNU-601 cells

- Common and Distinctive Functions of the Hippo Effectors Taz and Yap in Skeletal Muscle Stem Cell Function.

  Sun C, De Mello V, Mohamed A, Ortuste Quiroga HP, Garcia-Munoz A, Al Bloshi A, Tremblay AM, von Kriegsheim A, Collie-Duguid E, Vargesson N, Matallanas D, Wackerhage H, Zammit PS.

  Stem Cells 2017 Jun; 35(8):1958.

  Application: IF, WB, Mouse, C2C12 cells, Mouse satellite cell-derived myoblasts

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- Integrative genomics analysis reveals the multilevel dysregulation and oncogenic characteristics of TEAD4 in gastric cancer.

  Lim B, Park JL, Kim HJ, Park YK, Kim JH, Sohn HA, Noh SM, Song KS, Kim WH, Kim YS, Kim SY.

  Carcinogenesis 2014 May; 35(5):1020.

  Application: IHC, Human, Gastric tissue

- Induction of a trophoblast-like phenotype by hydralazine in the p19 embryonic carcinoma cell line.

  O'Driscoll CM, Coulter JB, Bressler JP.

  Biochimica et Biophysica Acta 2013 Mar; 1833(3):460.

  Application: ICC, WB-Ce, WB-Tr, Mouse, P19 cells

- Transcription factor TEAD4 regulates expression of Myogenin and the unfolded protein response genes during C2C12 cell differentiation.

  Benhaddou A, Keime C, Ye T, Morlon A, Michel I, Jost B, Mengus G, Davidson I.

  Cell Death Differ 2011 Jun; 19:220.

  Application: IF, WB-Ce, WB-Tr, Mouse, C2C12 cells

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