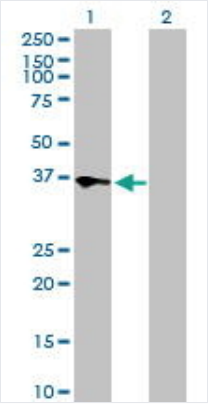
TEAD4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TEAD4, Polyclonal Antibody
Full Product Name	TEAD4 (Transcriptional Enhancer Factor TEF-3, TEA Domain Family Member 4, TEAD-4, Transcription Factor RTEF-1, Transcription Factor 13-like 1,
Product Gene Name	anti-TEAD4 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human TEAD4.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	48,329 Da
Chromosome Location	Chromosome: 12; NC_000012.11 (3068478..3149842). Location: 12p13.3-p13.2
OMIM	601714
3D Structure	ModBase 3D Structure for Q15561
Immunogen	Full length human TEAD4, aa1-305 (NP_958851.1).
Immunogen Sequence	MAAMSSAQIISATAFHSSMALARGPGRPAVSGFWQGALPGQAGTSHDVKPFSQQTYAVQPPLPLPGFESPAGPAPSPSAPPAPPWQGRSVASSKLWM
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-TEAD4 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-TEAD4 antibody	Western Blot (WB)
Application Notes for anti-TEAD4 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-TEAD4 antibody	TEAD4 is a member of the transcriptional enhancer factor (TEF) family of transcription factors, which contain the TEA/ATTS DNA-binding domain. It is codon, have been described for this gene.
Other Notes	Small volumes of anti-TEAD4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces
Searchable Terms for TEAD4 purchase	MBS6396273 is an antibody targeting TEAD4. Also known as TEAD4 (Transcriptional Enhancer Factor TEF-3, TEA Domain Family Member 4, TEAD-4



Western Blot (WB) of anti-TEAD4 antibody
Western Blot analysis of TEAD4 expression in transfected 293T cell line by TEAD4 polyclonal antibody. Lane 1: TEAD4 transfected lysate (34.2kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TEAD4. It may not necessarily be applicable to this product.

NCBI GI #	46411159
NCBI GeneID	7004
NCBI Accession #	NP_958851.1
UniProt Primary Accession #	Q15561
UniProt Secondary Accession #	Q6MZR9; Q8NEV5; Q92883; Q96BK2; H0Y308
UniProt Related Accession #	Q15561
GenBank Nucleotide #	NM_201443.1
NCBI Official Full Name	transcriptional enhancer factor TEF-3 isoform 3
NCBI Official Synonym Full Names	TEA domain family member 4
NCBI Official Symbol	TEAD4
NCBI Official Synonym Symbols	TEF3; RTEF1; TEF-3; EFTR-2; TEFR-1; TCF13L1; hRTEF-1B
UniProt Protein Name	Transcriptional enhancer factor TEF-3
UniProt Synonym Protein Names	TEA domain family member 4; TEAD-4; Transcription factor 13-like 1; Transcription factor RTEF-1
Protein Family	Transcriptional enhancer factor
UniProt Gene Name	TEAD4
UniProt Synonym Gene Names	RTEF1; TCF13L1; TEF3; TEAD-4
UniProt Entry Name	TEAD4_HUMAN

NCBI Protein Information	transcriptional enhancer factor TEF-3; transcription factor RTEF-1; transcription factor 13-like 1; transcriptional enhancer factor 3; related transcription enhancer factor 1B; transcriptional enhancer factor 1-related
NCBI Summary for TEAD4	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 skeletal muscle, and binds to the M-CAT regulatory element found in promoters of muscle-specific genes to direct their gene expression. Alternatively spliced transcripts encoding distinct isoforms, some of which are translated through the use of a non-AUG (UUG) initiation codon, have been described for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for TEAD4	TEAD4: Transcription factor which plays a key role in the Hippo signaling pathway, a pathway involved in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1/MST2, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Acts by mediating gene expression of YAP1 and WWTR1/TAZ, thereby regulating cell proliferation, migration and epithelial mesenchymal transition (EMT) induction. Binds specifically and non-cooperatively to the Sph and GT-IIC 'enhansons' (5'-GTGGAATGT-3') and activates transcription. Binds to the M-CAT motif. 2 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding; Transcription factor Chromosomal Location of Human Ortholog: 12p13.3-p13.2 Cellular Component: nucleoplasm Molecular Function: protein binding; DNA binding; transcription factor activity Biological Process: regulation of transcription from RNA polymerase II promoter; transcription initiation from RNA polymerase II promoter; muscle development; gene expression; skeletal development
Research Articles on TEAD4	**1.** Data indicate that knockdown of TEAD1/3/4 induces an almost identical cellular senescent phenotype as YAP silencing.
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