TEAD1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TEAD1, Polyclonal Antibody
Full Product Name	TEAD1 Conjugated Antibody
Product Gene Name	anti-TEAD1 antibody
Product Synonym Names	AA; atrophia areata; peripapillary chorioretinal degeneration; NTEF-1; Protein GT-IIC
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total TEAD1protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	47,946 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (12695969..12966284). Location: 11p15.2
OMIM	108985
3D Structure	ModBase 3D Structure for P28347
Immunogen	Synthesized peptide derived from Internal of human TEAD1.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-TEAD1 antibody	Most Applications
Application Notes for anti-TEAD1 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-TEAD1 antibody	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 cooperatively to the SPH and GT-IIC 'enhansons' (5'-GTGGAATGT-3') and activates transcription in vivo in a cell-specific manner. The activation function appears to be mediated by a limiting cell-specific transcriptional intermediary factor (TIF). Involved in cardiac development. Binds to the M-CAT motif.

Other Notes	Small volumes of anti-TEAD1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TEAD1 purchase	MBS9444646 is an antibody targeting TEAD1. Also known as TEAD1 Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TEAD1. It may not necessarily be applicable to this product.

NCBI GI #	296434319
NCBI GeneID	7003
NCBI Accession #	NP_068780.2
UniProt Primary Accession #	P28347
UniProt Related Accession #	P28347
GenBank Nucleotide #	NM_021961.5
NCBI Official Full Name	transcriptional enhancer factor TEF-1
NCBI Official Synonym Full Names	TEA domain family member 1 (SV40 transcriptional enhancer factor)
NCBI Official Symbol	TEAD1
NCBI Official Synonym Symbols	AA; REF1; TCF13; TEF-1; NTEF-1; TCF-13; TEAD-1
UniProt Protein Name	Transcriptional enhancer factor TEF-1
UniProt Synonym Protein Names	NTEF-1; Protein GT-IIC; TEA domain family member 1; TEAD-1; Transcription factor 13
Protein Family	Transcriptional enhancer factor
UniProt Gene Name	TEAD1
UniProt Synonym Gene Names	TCF13; TEF1; TEAD-1; TCF-13
UniProt Entry Name	TEAD1_HUMAN
NCBI Protein Information	transcriptional enhancer factor TEF-1; protein GT-IIC; transcription factor 13; transcriptional enhancer factor 1
NCBI Summary for TEAD1	This gene encodes a ubiquitous transcriptional enhancer factor that is a member of the TEA/ATTS domain family. This protein directs the transactivation of a wide variety of genes and, in placental cells, also acts as a transcriptional repressor. Mutations in this gene cause Sveinsson's chorioretinal atrophy. Additional transcript variants have been described but their full-length natures have not been experimentally verified. [provided by RefSeq, May 2010]

UniProt Comments for TEAD1	TEAD1: 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 cooperatively to the SPH and GT-IIC 'enhansons' (5'-GTGGAATGT-3') and activates transcription in vivo in a cell-specific manner. The activation function appears to be mediated by a limiting cell-specific transcriptional intermediary factor (TIF). Involved in cardiac development. Binds to the M-CAT motif. Interacts with YAP1 and WWTR1/TAZ. Preferentially expressed in skeletal muscle. Lower levels in pancreas, placenta, and heart. Protein type: Transcription factor; DNA-binding Chromosomal Location of Human Ortholog: 11p15.2 Cellular Component: nucleoplasm; Golgi apparatus; cytoplasm Molecular Function: protein binding; DNA binding; transcription factor activity Biological Process: transcription initiation from RNA polymerase II promoter; regulation of transcription, DNA-dependent; gene expression Disease: Sveinsson Chorioretinal Atrophy
Research Articles on TEAD1	**1.** our data reveal a new, Livin-dependent, apoptotic role for TEAD1 in mammals and provide mechanistic insight downstream of TEAD1 deregulation in cancers.
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