TEAD2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TEAD2, Polyclonal Antibody
Full Product Name	TEAD2 Conjugated Antibody
Product Gene Name	anti-TEAD2 antibody
Product Synonym Names	TEA domain family member 2; TEAD-2
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 TEAD2 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	49,243 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (49843852..49865714, complement). Location: 19q13.3
OMIM	601729
3D Structure	ModBase 3D Structure for Q15562
Immunogen	Synthesized peptide derived from internal of human TEAD2.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-TEAD2 antibody	Most Applications
Application Notes for anti-TEAD2 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-TEAD2 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 to the SPH and GT-IIC 'enhansons' (5'-GTGGAATGT-3'). May be involved in the gene regulation of neural development. Binds to the M-CAT motif.

Other Notes	Small volumes of anti-TEAD2 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 TEAD2 purchase	MBS9444782 is an antibody targeting TEAD2. Also known as TEAD2 Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TEAD2. It may not necessarily be applicable to this product.

NCBI GI #	375331915
NCBI GeneID	8463
NCBI Accession #	NP_001243587.1
UniProt Primary Accession #	Q15562
UniProt Secondary Accession #	Q8NA25; Q96IG3; B4DTJ6
UniProt Related Accession #	Q15562
GenBank Nucleotide #	NM_001256658.1
NCBI Official Full Name	transcriptional enhancer factor TEF-4 isoform 1
NCBI Official Synonym Full Names	TEA domain family member 2
NCBI Official Symbol	TEAD2
NCBI Official Synonym Symbols	ETF; TEF4; TEF-4; TEAD-2
UniProt Protein Name	Transcriptional enhancer factor TEF-4
UniProt Synonym Protein Names	TEA domain family member 2
Protein Family	Transcriptional enhancer factor
UniProt Gene Name	TEAD2
UniProt Synonym Gene Names	TEF4; TEAD-2
UniProt Entry Name	TEAD2_HUMAN
NCBI Protein Information	transcriptional enhancer factor TEF-4
UniProt Comments for TEAD2	TEAD2: 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 to the SPH and GT-IIC 'enhansons' (5'- GTGGAATGT-3'). May be involved in the gene regulation of neural development. Binds to the M-CAT motif. Interacts with YAP1 and WWTR1/TAZ. Protein type: DNA-binding; Transcription factor Chromosomal Location of Human Ortholog: 19q13.3 Cellular Component: nucleoplasm; transcription factor complex; nucleus Molecular Function: RNA polymerase II transcription factor activity, enhancer binding; protein binding; DNA binding; transcription factor activity Biological Process: paraxial mesoderm development; transcription initiation from RNA polymerase II promoter; regulation of transcription, DNA-dependent; neural tube closure; lateral mesoderm development; gene expression; positive regulation of transcription from RNA polymerase II promoter; vasculogenesis; notochord development

Research Articles on TEAD2	**1.** Observational study of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)
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