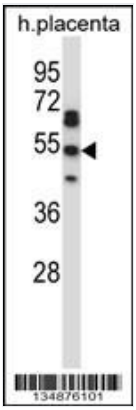
TEAD2 Antibody – Rabbit Polyclonal

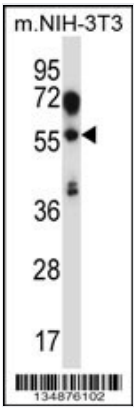
PRODUCT OVERVIEW

Product Name	TEAD2, Polyclonal Antibody
Full Product Name	TEAD2, ID (TEAD2, TEF4, Transcriptional enhancer factor TEF-4, TEA domain family member 2) (APC)
Product Gene Name	anti-TEAD2 antibody
Product Synonym Names	TEAD2; TEF4; Transcriptional enhancer factor TEF-4; TEA domain family member 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	49,640 Da
OMIM	601729
3D Structure	ModBase 3D Structure for Q15562
Immunogen	TEAD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 266-295 amino acids from the Central region of human TEAD2.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-TEAD2 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-TEAD2 antibody	Western Blot (WB), FLISA
Application Notes for anti-TEAD2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
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.

Product References and Citations for anti-TEAD2 antibody	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Tian, W., et al. Proc. Natl. Acad. Sci. U.S.A. 107(16):7293-7298(2010). Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009). Zhang, H., et al. J. Biol. Chem. 284(20):13355-13362(2009). Zhao, B., et al. Genes Dev. 22(14):1962-1971(2008).
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	MBS6354679 is an antibody targeting TEAD2. Also known as TEAD2, ID (TEAD2, TEF4, Transcriptional enhancer factor TEF-4, TEA domain family member 2) (APC). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-TEAD2 antibody
TEAD2 Antibody (Center) western blot analysis in human placenta tissue lysates (35ug/lane).This demonstrates the TEAD2 antibody detected the TEAD2 protein (arrow).



Western Blot (WB) of anti-TEAD2 antibody
TEAD2 Antibody (Center) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the TEAD2 antibody detected the TEAD2 protein (arrow).

ADDITIONAL DETAILS

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

NCBI GI #	20070102
NCBI GeneID	8463
NCBI Accession #	NP_003589.1
UniProt Primary Accession #	Q15562
UniProt Secondary Accession #	Q8NA25; Q96IG3; B4DTJ6; M0R1T9
UniProt Related Accession #	Q15562
GenBank Nucleotide #	NM_003598
NCBI Official Full Name	Homo sapiens TEA domain family member 2 (TEAD2), transcript variant 5, mRNA
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)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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