

TEAD2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP14282c

Specification

TEAD2 Antibody (Center) - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Isotype Calculated MW Antigen Region WB,E <u>Q15562</u> <u>P48301</u>, <u>NP_003589.1</u> Human, Mouse Rabbit Polyclonal Rabbit IgG 49243 267-295

TEAD2 Antibody (Center) - Additional Information

Gene ID 8463

Other Names Transcriptional enhancer factor TEF-4, TEA domain family member 2, TEAD-2, TEAD2, TEF4

Target/Specificity This TEAD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 267-295 amino acids from the Central region of human TEAD2.

Dilution $WB \sim 1:1000$ $E \sim Use at an assay dependent concentration.$

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TEAD2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

TEAD2 Antibody (Center) - Protein Information

Name TEAD2

Synonyms TEF4



Function 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.

Cellular Location Nucleus.

TEAD2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

TEAD2 Antibody (Center) - Images



TEAD2 Antibody (Center) (Cat. #AP14282c) western blot analysis in human placenta tissue lysates (35ug/lane). This demonstrates the TEAD2 antibody detected the TEAD2 protein (arrow).



TEAD2 Antibody (Center) (Cat. #AP14282c) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the TEAD2 antibody detected the TEAD2 protein (arrow).

TEAD2 Antibody (Center) - Background

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.

TEAD2 Antibody (Center) - References

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)