

TEAD2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50779

Product Information

Application	WB, IF, IHC
Primary Accession	Q15562
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Calculated MW	49243

Additional Information

Gene ID	8463
Other Names	Transcriptional enhancer factor TEF-4, TEA domain family member 2, TEAD-2, TEAD2, TEF4
Dilution	WB~~ 1:1000 IF~~1:100 IHC~~1:50-100
Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20°C

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 'enhancers' (5'-GTGGAATGT-3'). May be involved in the gene regulation of neural development. Binds to the M-CAT motif.
Cellular Location	Nucleus.

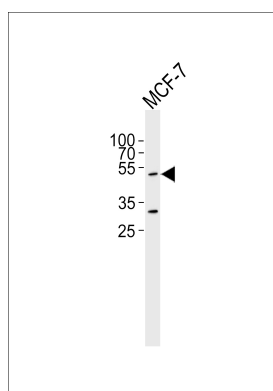
Background

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.

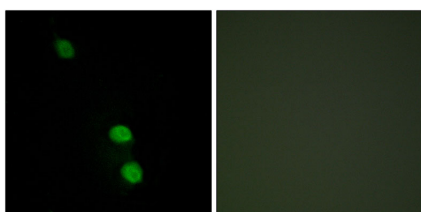
References

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Jacquemin P.,et al.J. Biol. Chem. 271:21775-21785(1996).
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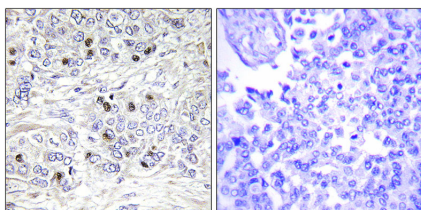
Images



Western blot analysis of lysate from MCF-7 cell line,using TEAD2 Antibody(AP50779). AP50779 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.



Immunofluorescence analysis of HepG2 cells, using TEAD2 antibody.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using TEAD2 antibody.

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