

Anti-TEAD2 Antibody

Rabbit Polyclonal Antibody

Catalog # ABV11861

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	Q15562
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	49243

Additional Information

Gene ID	8463
Positive Control	WB: HEK293, RAW264.7, H9C2 cell lysate; IHC: human bresat cancer tissue; IF: HepG2 cells
Application & Usage	WB; 1:500 – 1:2000, IHC; 1:50 – 1:200, IF/IC; 1:50 – 1:100, ChIP 1:100 – 1:500
Alias Symbol	TEAD2
Other Names	TEF4, Transcriptional enhancer factor TEF-4, TEA domain family member 2, TEAD-2
Appearance	Colorless liquid
Formulation	In 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Anti-TEAD2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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.

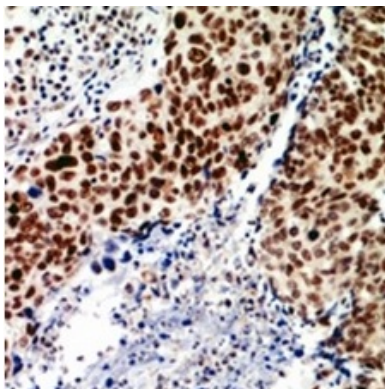
Cellular Location

Nucleus.

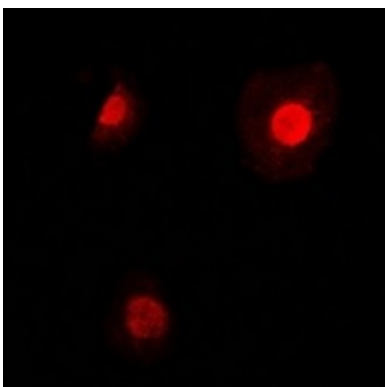
Background

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

Images

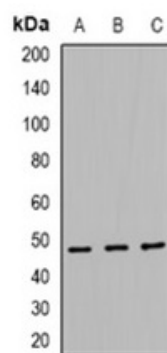


Immunohistochemical analysis of TEAD2 staining in H.breast cancer formalin fixed paraffin embedded tissue section.



Immunofluorescent analysis of TEAD2 staining in HepG2 cells.

Western blot analysis of TEAD2 expression in HEK293(A); RAW264.7(B); H9C2(C) whole cell lysates.



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