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KD-Validated Anti-TEAD1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1288

Specification

KD-Validated Anti-TEAD1 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	P28347
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 48 kDa , observed, 52 kDa KDa**
Gene Name	**TEAD1**
Aliases	**TEAD1; TEA Domain Transcription Factor 1; TEF-1; TCF13; TEA Domain Family Member 1 (SV40 Transcriptional Enhancer Factor); Transcriptional Enhancer Factor TEF-1; Transcriptional Enhancer Factor 1; Transcription Factor 13; Protein GT-IIC; NTEF-1; TCF-13; TEAD-1; AA; Atrophia Areata, Peripapillary Chorioretinal Degeneration; TEA Domain Family Member 1; REF1; TEF1**
Immunogen	**A synthesized peptide derived from human TEAD1**

KD-Validated Anti-TEAD1 Rabbit Monoclonal Antibody - Additional Information

Gene ID **7003**

Other Names
Transcriptional enhancer factor TEF-1, NTEF-1, Protein GT-IIC, TEA domain family member 1, TEAD-1, Transcription factor 13, TCF-13, TEAD1, TCF13, TEF1

KD-Validated Anti-TEAD1 Rabbit Monoclonal Antibody - Protein Information

Name TEAD1

Synonyms TCF13, TEF1

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 specifically and cooperatively to the SPH and GT-IIC 'enhansons' (5'-GTGGAATGT-3') and activates transcription in

vivo in a cell-specific manner. The activation function appears to be mediated by a limiting cell-specific transcriptional intermediary factor (TIF). Involved in cardiac development. Binds to the M-CAT motif.

Cellular Location
Nucleus.

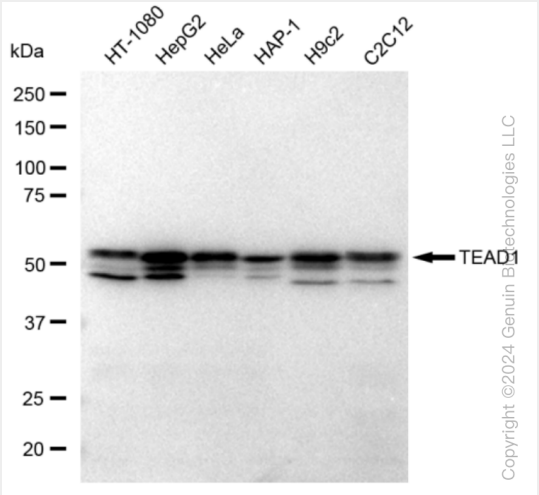
Tissue Location
Preferentially expressed in skeletal muscle. Lower levels in pancreas, placenta, and heart

KD-Validated Anti-TEAD1 Rabbit Monoclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-TEAD1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-TEAD1 antibody (Cat#AGI1288). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-TEAD1 antibody (Cat#AGI1288, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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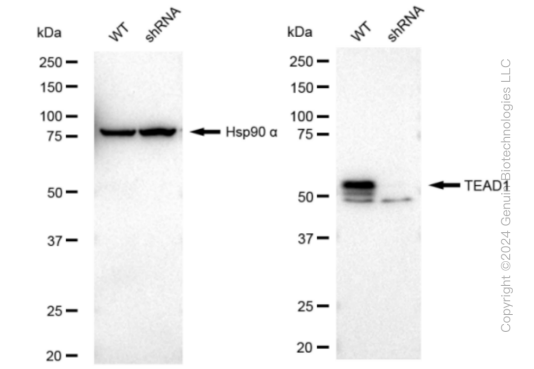
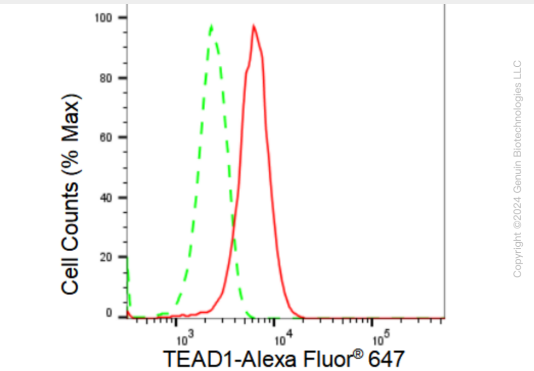
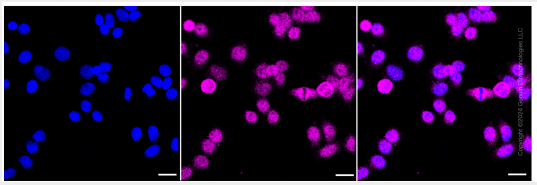


Western blotting analysis using anti-TEAD1 antibody (Cat#AGI1288). TEAD1 expression in wild type (WT) and TEAD1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-TEAD1 antibody (Cat#AGI1288, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of TEAD1 expression in HepG2 cells using TEAD1 antibody (Cat#AGI1288, 1:2,000). Green, isotype control; red, TEAD1.



Immunocytochemical staining of HepG2 cells with TEAD1 antibody (Cat#AGI1288, 1:1,000). Nuclei were stained blue with DAPI; TEAD1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.