

Product Name: KD-Validated TEAD4 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00318

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 48.3kDa

Antigen Information

Gene Name	TEAD4 TEAD4; TEA Domain Transcription Factor 4; TEA Domain Family Member 4; TCF13L1; TEFR-1; EFTR-2; TEF-3; Transcriptional Enhancer Factor TEF-3; Transcriptional Enhancer Factor 3;
Alternative Names	Transcription Factor 13-Like 1; Transcription Factor RTEF-1; RTEF-1; RTEF1; TEF3; Transcriptional Enhancer Factor 1-Related; Related Transcription Enhancer Factor 1B; HRTEF-1B; TEAD-4
Gene ID	7004.0
SwissProt ID	Q15561
Immunogen	Recombinant protein of human TEAD4

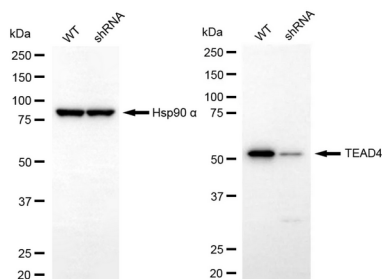
Background

This gene product is a member of the transcriptional enhancer factor (TEF) family of transcription factors, which contain the TEA/ATTS DNA-binding domain. It is preferentially expressed in the skeletal muscle, and binds to the M-CAT regulatory element found in promoters of muscle-specific genes to direct their gene expression. Alternatively spliced transcripts encoding distinct isoforms, some of which are translated through the use of a non-AUG (UUG) initiation codon, have been described for this gene. [provided by RefSeq, Jul 2008]

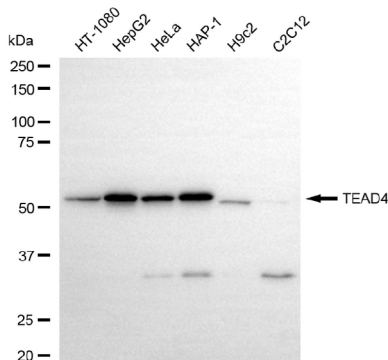
Research Area

Epigenetics and Nuclear Signaling, Cardiovascular

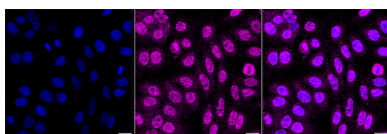
Image Data



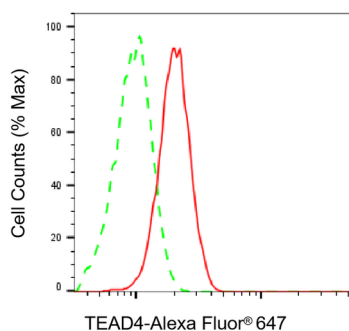
Western blotting analysis using TEAD4 antibody (KVA00318). TEAD4 expression in wild type (WT) and TEAD4 shRNA knockdown (KD) HepG2 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with TEAD4 antibody (KVA00318, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using TEAD4 antibody (KVA00318). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with TEAD4 antibody (KVA00318, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with TEAD4 antibody (KVA00318, 1:1,000). Nuclei were stained blue with DAPI; TEAD4 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Low. Scale bar, 20 µm.



Flow cytometric analysis of TEAD4 expression in HepG2 cells using TEAD4 antibody (KVA00318, 1:2,000). Green, isotype control; red, TEAD4.