Anti-TEF1/TEAD-1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R011985

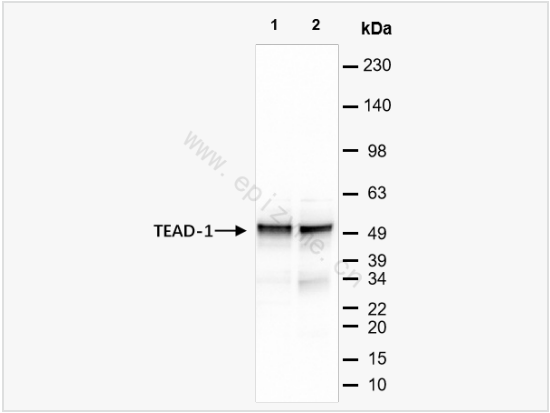
Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Rat, Human
Dilution	WB 1:1,000~1:5,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	81L51L45
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human TEAD-1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Transcriptional Enhancer Factor TEF 1 antibody [81L51L45] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

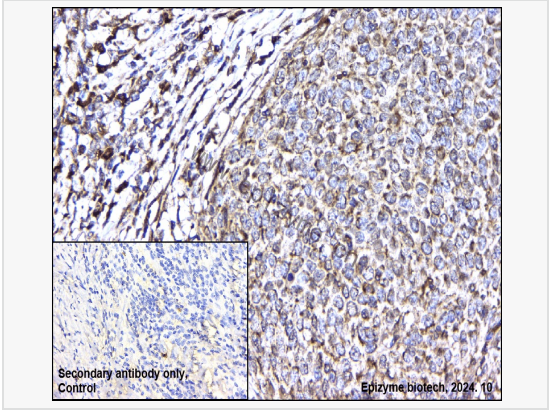
Synonyms	AA, Atrophia areata peripapillary chorioretinal degeneration, NTEF 1, NTEF-1, NTEF1, Protein GT IIC, Protein GT-IIC, REF 1, REF1, SV40 transcriptional enhancer factor, TCF 13, TCF-13, TCF13, TEA domain family member, TEA domain family member 1 (SV40 transcriptional enhancer factor), TEA domain family member 1, TEAD 1, TEAD 1 protein, TEAD-1, TEAD1, TEAD1 protein, TEAD1_HUMAN, TEF 1, TEF1, Transcription factor 13 (SV40 transcriptional enhancer factor), Transcription factor 13, Transcriptional enhancer factor 1, Transcriptional enhancer factor TEF-1, Transcriptional enhancer factor TEF1, Transcriptional Enhancer Factor TEF 1.
Calculated MW	Calculated MW: 48 kDa; Observed MW: 48 kDa
Uniprot ID	P28347
Gene ID	7003
Background	This gene encodes a ubiquitous transcriptional enhancer factor that is a member of the TEA/ATTS domain family. This protein directs the transactivation of a wide variety of genes and, in placental cells, also acts as a transcriptional repressor. Mutations in this gene cause Sveinsson's chorioretinal atrophy. Additional transcript variants have been described but their full-length natures have not been experimentally verified. [provided by RefSeq, May 2010]
Cellular Location	Nucleus.
Tissue Location	Preferentially expressed in skeletal muscle. Lower levels in pancreas, placenta, and heart.

Validation Images

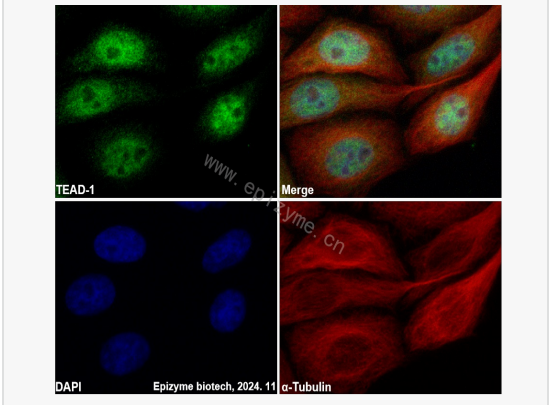


Western Blot - Anti-TEF1/TEAD-1 Rabbit mAb [81L51L45]
All lanes: R011985 at 1:5,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 48 kDa
Observed band size: 48 kDa
Developed using the ECL technique (Cat. No. SQ201).

Immunohistochemistry - Anti-TEF1/TEAD-1 Rabbit mAb [81L51L45]
Sample: Paraformaldehyde-fixed, paraffin embedded rat muscle tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R011985 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-TEF1/TEAD-1 Rabbit mAb [81L51L45]
Sample: Paraformaldehyde-fixed, paraffin embedded human cervical cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R011985 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-TEF1/TEAD-1 Rabbit mAb [81L51L45]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R011985 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).