

Rabbit Anti-TEF3/AP Conjugated antibody

SL9603R-AP

Product Name	Anti-TEF3/AP
Chinese Name	碱性磷酸酶（AP）标记的转录增强因子 TEF3 抗体
Alias	EFTR 2; EFTR2; hRTEF 1B; hRTEF1B; MGC9014; Related to TEF 1; Related to TEF1; Related transcription enhancer factor 1B; RTEF1; TCF13L1; TEA domain family member 4; TEAD 4; TEAD-4; TEAD4; TEAD4_HUMAN; TEF 3; TEF-3; TEFR 1; TEFR1; Transcription factor 13 (SV40 transcriptional enhancer factor) like 1; Transcription factor 13 like 1; Transcription factor 13-like 1; Transcription factor RTEF 1; Transcription factor RTEF-1; Transcription factor RTEF1; Transcriptional enhancer factor 1 related; Transcriptional enhancer factor 3; Transcriptional enhancer factor TEF 3; Transcriptional enhancer factor TEF-3; Transcriptional enhancer factor TEF3.
Research Area	Cardiovascular transcriptional regulatory factor Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Zebrafish) IHC-P=1:100-500,IHC-F=1:100-500,ELISA=1:500-5000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	48kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human TEF3/TEAD4
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	

background:

TEF-3, is a 427 amino acid member of the transcriptional enhancer factor (TEF) family of proteins that are characterized by the presence of a TEA DNA-binding domain. Localized to the nucleus and expressed primarily in skeletal muscle, TEF-3 functions as a transcriptional regulator by binding specifically and non-cooperatively to the M-CAT motif found in the promoters of muscle-specific genes, thereby directing their subsequent expression. TEF-3 contains one TEA DNA-binding domain and is expressed as multiple isoforms due to alternative splicing events.

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 non-cooperatively to the Sph and GT-IIC 'enhansons' (5'-GTGGAATGT-3') and activates transcription. Binds to the M-CAT motif.

Product Detail

Subunit:

Interacts with YAP1 and WWTR1/TAZ.

Subcellular Location:

Nucleus.

Tissue Specificity:

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

Similarity:

Contains 1 TEA DNA-binding domain.

Database links:

[Entrez Gene: 7004](#) Human

[Entrez Gene: 21679](#) Mouse

[Omim: 601714](#) Human

[SwissProt: Q15561](#) Human



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[SwissProt: Q62296](#) Mouse

[Unigene: 94865](#) Human

[Unigene: 14774](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.