

TEF3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59301

Specification

TEF3 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q15561
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TEF3/TEAD4
Epitope Specificity	231-330/434
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
SIMILARITY	Contains 1 TEA DNA-binding domain.
SUBUNIT	Interacts with YAP1 and WWTR1/TAZ.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

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.

TEF3 Polyclonal Antibody - Additional Information

Gene ID 7004

Other Names

Transcriptional enhancer factor TEF-3, TEA domain family member 4, TEAD-4, Transcription factor 13-like 1, Transcription factor RTEF-1, TEAD4, RTEF1, TCF13L1, TEF3

Target/Specificity

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

Dilution

IHC-P~~N/A

=IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

TEF3 Polyclonal Antibody - Protein Information

Name TEAD4

Synonyms RTEF1, TCF13L1, TEF3

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.

Cellular Location

Nucleus.

Tissue Location

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

TEF3 Polyclonal 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 Cytometry](#)
- [Cell Culture](#)

TEF3 Polyclonal Antibody - Images