

**TEF Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19200b****Specification**

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**TEF Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q10587</a>
Other Accession	<a href="#">P41224</a> , <a href="#">Q9JLC6</a> , <a href="#">Q92172</a> , <a href="#">NP_001138870.1</a>
Reactivity	Human, Mouse
Predicted	Chicken, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	33248
Antigen Region	213-240

**TEF Antibody (C-term) - Additional Information****Gene ID** 7008**Other Names**

Thyrotroph embryonic factor, TEF, KIAA1655

**Target/Specificity**

This TEF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 213-240 amino acids from the C-terminal region of human TEF.

**Dilution**

WB~~1:2000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TEF Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TEF Antibody (C-term) - Protein Information****Name** TEF

**Synonyms** KIAA1655

**Function** Transcription factor that binds to and transactivates the TSHB promoter. Binds to a minimal DNA-binding sequence 5'- [TC][AG][AG]TTA[TC][AG]-3'.

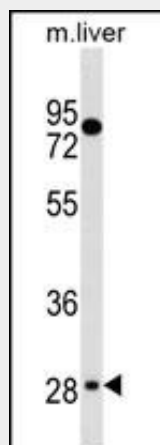
**Cellular Location**

Nucleus.

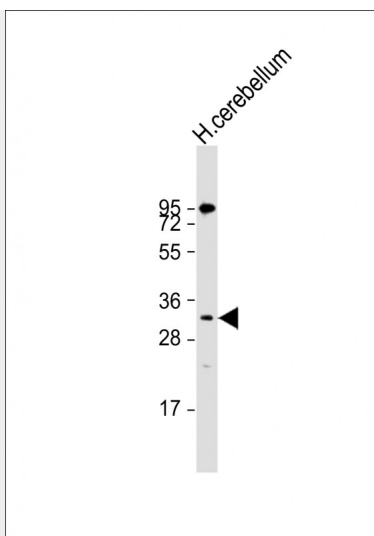
**TEF Antibody (C-term) - Protocols**

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](#)

**TEF Antibody (C-term) - Images**

TEF Antibody (C-term) (Cat. #AP19200b) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the TEF antibody detected the TEF protein (arrow).



Anti-TEF Antibody (C-term) at 1:2000 dilution + human cerebellum lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 33 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### **TEF Antibody (C-term) - Background**

Thyrotroph embryonic factor (TEF), a transcription factor, is a member of the PAR (proline and acidic amino acid-rich) subfamily of basic region/leucine zipper (bZIP) transcription factors. It is expressed in a broad range of cells and tissues in adult animals, however, during embryonic development, TEF expression appears to be restricted to the developing anterior pituitary gland, coincident with the appearance of thyroid-stimulating hormone, beta (TSHB). Indeed, TEF can bind to, and transactivate the TSHB promoter. It shows homology (in the functional domains) with other members of the PAR-bZIP subfamily of transcription factors, which include albumin D box-binding protein (DBP), human hepatic leukemia factor (HLF) and chicken vitellogenin gene-binding protein (VBP); VBP is considered the chicken homologue of TEF. Different members of the subfamily can readily form heterodimers, and share DNA-binding, and transcriptional regulatory properties. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

### **TEF Antibody (C-term) - References**

Kripke, D.F., et al. Psychiatry Investig 7(1):36-42(2010)  
Inukai, T., et al. Blood 105(11):4437-4444(2005)  
Collins, J.E., et al. Genome Biol. 5 (10), R84 (2004) :  
Newman, J.R., et al. Science 300(5628):2097-2101(2003)  
Hirosawa, M., et al. DNA Res. 8(1):1-9(2001)