10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TEF Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19200b

Product Information

Application	WB, E
Primary Accession	Q10587
Other Accession	P41224, Q9JLC6, Q92172, NP_001138870.1
Reactivity	Human, Rat, Mouse
Predicted	Chicken, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39904
Calculated MW	33248
Antigen Region	213-240

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~~1:1000 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.

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.

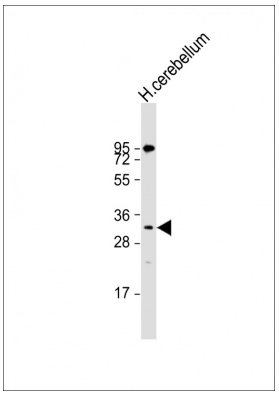
Background

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].

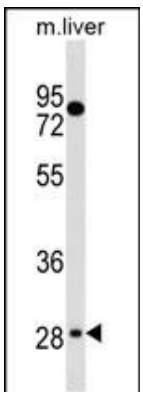
References

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)

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.