

## Product datasheet for **TA343376**

### TEF Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-TEF antibody: synthetic peptide directed towards the N terminal of human TEF. Synthetic peptide located within the following region: PVDPQAGPGPGRAAGERGLSGSFPLVLKMLMENPPREARLDKEKGKEK
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	33 kDa
Gene Name:	TEF, PAR bZIP transcription factor
Database Link:	<a href="#">NP_003207</a> <a href="#">Entrez Gene 7008 Human</a> <a href="#">Q10587</a>



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**Background:**

TEF (thyrotroph embryonic factor) is a member of the PAR bZip (proline and acidic amino acid-rich basic leucine zipper) transcription factor family. It accumulates with robust circadian rhythms in tissues with high amplitudes of clock gene expression. 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.

**Synonyms:**

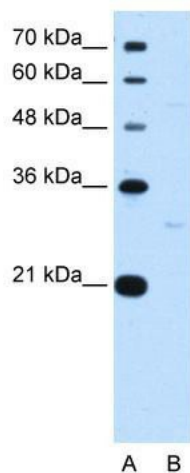
KIAA1655

**Note:**

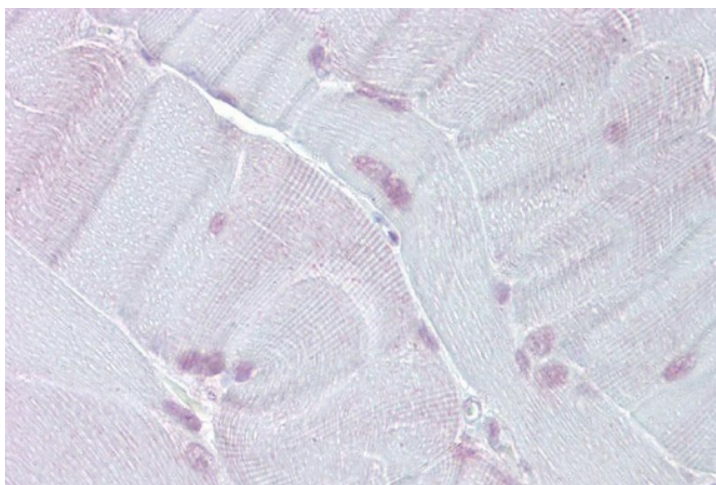
Immunogen Sequence Homology: Horse: 100%; Human: 100%; Dog: 93%; Rat: 93%; Mouse: 93%; Sheep: 93%; Bovine: 93%; Goat: 91%; Pig: 83%; Guinea pig: 83%

**Protein Families:**

Transcription Factors

**Product images:**

WB Suggested Anti-TEF Antibody Titration: 0.2-1 ug/ml; Positive Control: HepG2 cell lysate



Immunohistochemistry with Skeletal muscle tissue at an antibody concentration of 5 ug/ml using anti-TEF antibody