

## **TEF Antibody (C-term) Blocking Peptide**

Synthetic peptide Catalog # BP19200b

## **Specification**

# TEF Antibody (C-term) Blocking Peptide - Product Information

**Primary Accession** 

**Q10587** 

# TEF Antibody (C-term) Blocking Peptide - Additional Information

**Gene ID** 7008

#### **Other Names**

Thyrotroph embryonic factor, TEF, KIAA1655

#### **Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

#### **Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

## **Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

## TEF Antibody (C-term) Blocking Peptide - 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.

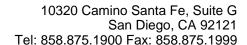
## **TEF Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

Blocking Peptides

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

TEF Antibody (C-term) Blocking Peptide - 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) transcriptionfactors. It is expressed in a broad range of cells and tissues inadult 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 vitellogeningene-binding protein (VBP); VBP is considered the chicken homologue TEF. Different members of the subfamily can readily formheterodimers, 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) Blocking Peptide - 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)