

**TFEC Antibody(Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19475c****Specification**

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**TFEC Antibody(Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O14948</a>
Other Accession	<a href="#">Q63302</a> , <a href="#">Q9WTW4</a> , <a href="#">Q5XFO6</a> , <a href="#">NP_001018068.1</a>
Reactivity	Human
Predicted	Chicken, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	38788
Antigen Region	179-205

**TFEC Antibody(Center) - Additional Information****Gene ID** 22797**Other Names**

Transcription factor EC, TFE-C, Class E basic helix-loop-helix protein 34, bHLHe34, Transcription factor EC-like, hTFEC-L, TFEC, BHLHE34, TC FEC, TFECL

**Target/Specificity**

This TFEC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 179-205 amino acids from the Central region of human TFEC.

**Dilution**

WB~~1:1000

**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**

TFEC Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**TFEC Antibody(Center) - Protein Information****Name** TFEC

**Synonyms** BHLHE34, TC FEC, TFECL

**Function** Transcriptional regulator that acts as a repressor or an activator. Acts as a transcriptional repressor on minimal promoter containing element F (that includes an E-box sequence). Binds to element F in an E-box sequence-specific manner. Acts as a transcriptional transactivator on the proximal promoter region of the tartrate-resistant acid phosphatase (TRAP) E-box containing promoter (By similarity). Collaborates with MITF in target gene activation (By similarity). Acts as a transcriptional repressor on minimal promoter containing mu E3 enhancer sequence (By similarity). Binds to mu E3 DNA sequence of the immunoglobulin heavy-chain gene enhancer (By similarity). Binds DNA in a homo- or heterodimeric form.

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00981, ECO:0000269|PubMed:11467950}

**Tissue Location**

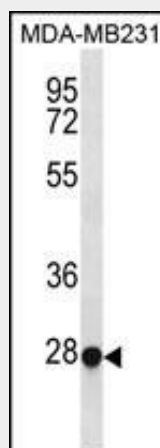
Expressed moderately in spleen, kidney, bone marrow, small intestine and leukocytes. Expressed weakly in testis, trachea and colon.

**TFEC Antibody(Center) - 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](#)

**TFEC Antibody(Center) - Images**



TFEC Antibody (Center) (Cat. #AP19475c) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the TFEC antibody detected the TFEC protein (arrow).

**TFEC Antibody(Center) - Background**

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an E-box sequence-specific manner. Acts as a transcriptional transactivator on the proximal promoter region of the tartrate-resistant acid phosphatase (TRAP) E-box containing promoter (By similarity). Collaborates with MITF in target gene activation (By similarity). Acts as a transcriptional repressor on minimal promoter containing mu E3 enhancer sequence (By similarity). Binds to mu E3 DNA sequence of the immunoglobulin heavy-chain gene enhancer (By similarity). Binds DNA in a homo-or heterodimeric form.

#### **TFEC Antibody(Center) - References**

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Steingrimsson, E., et al. Development 125(23):4607-4616(1998)  
Yasumoto, K., et al. Biochim. Biophys. Acta 1353(1):23-31(1997)  
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