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TFEC Antibody(Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19475c

Specification

TFEC Antibody(Center) - Product Information

Application	**WB,E**
Primary Accession	O14948
Other Accession	Q63302, Q9WTW4, Q5XFQ6, NP_001018068.1
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, TCFEC, 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, TCFEC, 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}

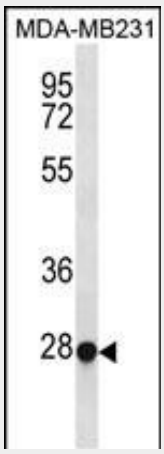
Tissue Location
Expressed moderately in spleen, kidney, bone marrow, small intestine and leukocytes. Expressed weakly in testis, trachea and colon.

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 Cytomety
- 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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Chung, M.C., et al. Biochemistry 40(30):8887-8897(2001)
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