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TFEC Antibody(Center) Blocking peptide

Synthetic peptide
Catalog # BP19475c

Specification

TFEC Antibody(Center) Blocking peptide - Product Information

Primary Accession O14948

TFEC Antibody(Center) Blocking peptide - 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

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.

TFEC Antibody(Center) Blocking peptide - 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.

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TFEC Antibody(Center) Blocking peptide - Protocols

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

- Blocking Peptides

TFEC Antibody(Center) Blocking peptide - Images

TFEC Antibody(Center) Blocking peptide - Background

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TFEC Antibody(Center) Blocking peptide - References

Mansky, K.C., et al. J. Leukoc. Biol. 71(2):304-310(2002)Chung, M.C., et al. Biochemistry 40(30):8887-8897(2001)Steingrimsson, E., et al. Development 125(23):4607-4616(1998)Yasumoto, K., et al. Biochim. Biophys. Acta 1353(1):23-31(1997)Zhao, G.Q., et al. Mol. Cell. Biol. 13(8):4505-4512(1993)