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TIEG Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP7749a

Specification

TIEG Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q13118

TIEG Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 7071

Other Names
Krueppel-like factor 10, EGR-alpha, Transforming growth factor-beta-inducible early growth response protein 1, TGFB-inducible early growth response protein 1, TIEG-1, KLF10, TIEG, TIEG1

Target/Specificity
The synthetic peptide sequence used to generate the antibody <a >AP7749a was selected from the N-term region of human TIEG. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

TIEG Antibody (N-term) Blocking Peptide - Protein Information

Name KLF10

Synonyms TIEG, TIEG1

Function
Transcriptional repressor which binds to the consensus sequence 5'-GGTGTG-3'. Plays a role in the regulation of the circadian clock; binds to the GC box sequence in the promoter of the core clock component ARTNL/BMAL1 and represses its transcriptional activity. Regulates the circadian expression of genes involved in lipogenesis, gluconeogenesis, and glycolysis in the liver. Represses the expression of PCK2, a rate-limiting step enzyme of gluconeogenesis (By similarity). May play a role in the cell cycle regulation.

Cellular Location
Nucleus {ECO:0000250|UniProtKB:O89091}.

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TIEG Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

TIEG Antibody (N-term) Blocking Peptide - Images

TIEG Antibody (N-term) Blocking Peptide - Background

TIEG is a transcriptional repressor involved in the regulation of cell growth. TIEG binds to the consensus sequence 5'-GGTGTG-3'and inhibits cell growth.

TIEG Antibody (N-term) Blocking Peptide - References

Hawse,J.R., Mol. Endocrinol. 22 (7), 1579-1595 (2008)Ivanov,S.V., Biochem. Biophys. Res. Commun. 370 (4), 536-540 (2008)Jin,W., FEBS Lett. 581 (20), 3826-3832 (2007)Fueki,N., Respiration 74 (4), 454-459 (2007)