

TIEG Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7749a**Specification**

TIEG Antibody (N-term) Blocking Peptide - Product InformationPrimary 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}.

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)