

TIEG Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11203c**Specification**

TIEG Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O13118](#)**TIEG Antibody (Center) 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

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 (Center) 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 (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TIEG Antibody (Center) Blocking peptide - Images

TIEG Antibody (Center) Blocking peptide - Background

Transcriptional repressor involved in the regulation of cell growth. Inhibits cell growth. Binds to the consensus sequence 5'-GGTGTG-3'.

TIEG Antibody (Center) Blocking peptide - References

Kim, J., et al. Biochem. Biophys. Res. Commun. 401(3):412-416(2010)Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010)Subramaniam, M., et al. Biofactors 36(1):8-18(2010)Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)