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TIEG Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7749a

Specification

TIEG Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q13118
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**13-40**

TIEG Antibody (N-term) - 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
This TIEG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 13-40 amino acids from the N-terminal region of human TIEG.

Dilution
WB~~1:1000
IHC-P~~1:10~50

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
TIEG Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TIEG Antibody (N-term) - 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.

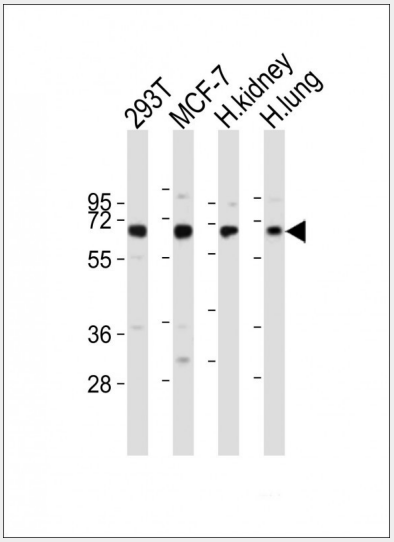
Cellular Location
Nucleus {ECO:0000250|UniProtKB:O89091}.

TIEG Antibody (N-term) - 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

TIEG Antibody (N-term) - Images



All lanes : Anti-TIEG Antibody (N-term) at 1:2000 dilution Lane 1: 293T whole cell lysates Lane 2: MCF-7 whole cell lysates Lane 3: human kidney lysates Lane 4: human lung lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 53 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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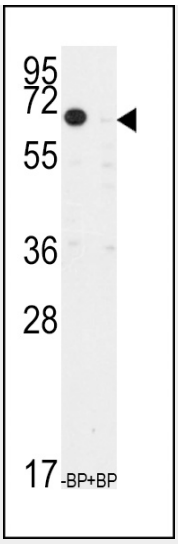
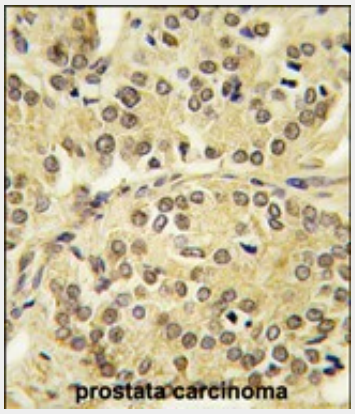


Western blot analysis of anti-TIEG Antibody (N-term) (Cat.#AP7749a) pre-incubated with and without blocking peptide in CEM cell line lysate. TIEG(N-term)(arrow) was detected using the purified Pab .



Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with TIEG antibody (N-term) (Cat.#AP7749a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

TIEG Antibody (N-term) - 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) - 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)