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TIEG Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7749a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q13118
Reactivity	Human
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14876
Calculated MW	52555
Antigen Region	13-40

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~~1:100~500 E~~Use at an assay dependent concentration.
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.

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}.

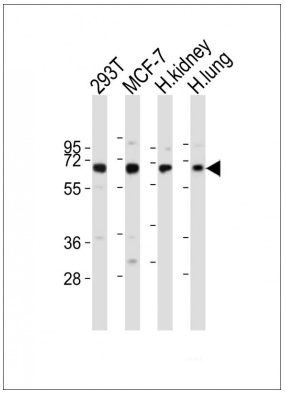
Background

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.

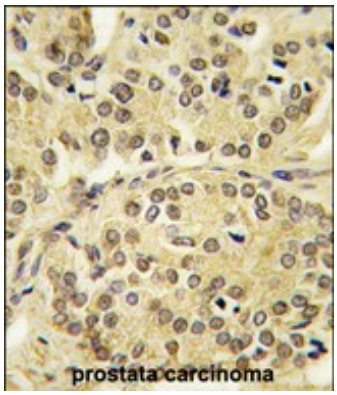
References

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)

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.



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.