10320 Camino Santa Fe, Suite G
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KLF10 Antibody
Rabbit mAb
Catalog # AP92236

Specification

KLF10 Antibody - Product Information

Application	**WB**
Primary Accession	Q13118
Reactivity	**Rat**
Clonality	**Monoclonal**

Other Names
EGR alpha; EGRA; Egral; EGRalpha; Gdnfif; KLF10; mGIF; TIEG; TIEG1;

Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**52555 Da**

KLF10 Antibody - Additional Information

Dilution	**WB~~1:1000**
Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human KLF10**
Description	**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.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

KLF10 Antibody - 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.

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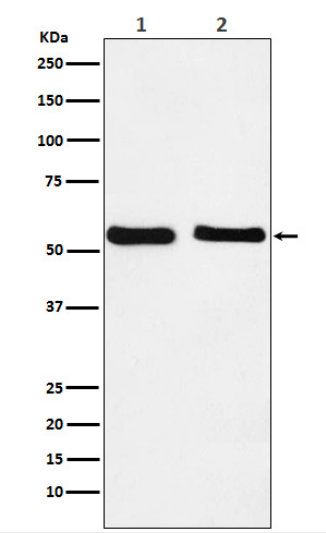
Cellular Location
Nucleus {ECO:0000250|UniProtKB:O89091}.

KLF10 Antibody - 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

KLF10 Antibody - Images



Western blot analysis of KLF10 expression in (1) HepG2 cell lysate; (2) NIH/3T3 cell lysate.