

# KLF10 Antibody

Rabbit mAb

Catalog # AP92236

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q13118</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	EGR alpha; EGRA; Egral; EGRalpha; Gdnfif; KLF10; mGIF; TIEG; TIEG1;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	52555

## Additional Information

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<b>Dilution</b>	WB 1:500~1:2000
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human KLF10
<b>Description</b>	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.
<b>Storage Condition and Buffer</b>	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.

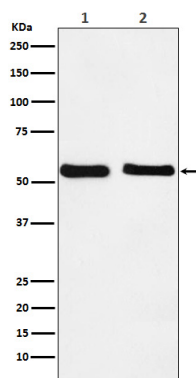
## Protein Information

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<b>Name</b>	KLF10
<b>Synonyms</b>	TIEG, TIEG1
<b>Function</b>	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.
<b>Cellular Location</b>	Nucleus {ECO:0000250 UniProtKB:O89091}.

## Images

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

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