

ARG45244 anti-KLF10 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Polyclonal antibody recognizes KLF10
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	KLF10
Species	Human
Immunogen	Recombinant protein containing to human KLF10.
Conjugation	Un-conjugated
Alternate Names	KLF10; KLF Transcription Factor 10; TIEG1; EGRA; TIEG; Transforming Growth Factor-Beta-Inducible Early Growth Response Protein 1; TGFB-Inducible Early Growth Response Protein 1; Krueppel-Like Factor 10; Kruppel Like Factor 10; EGR-Alpha; Zinc Finger Transcription Factor TIEG; TGFB Inducible Early Growth Response; Early Growth Response Alpha; Early Growth Response-Alpha; TIEG-1

Application Instructions

Application table	Application	Dilution
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	55 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	KLF10
Gene Full Name	KLF Transcription Factor 10
Background	This gene encodes a member of a family of proteins that feature C2H2-type zinc finger domains. The encoded protein is a transcriptional repressor that acts as an effector of transforming growth factor beta signaling. Activity of this protein may inhibit the growth of cancers, particularly pancreatic cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]
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. [UniProt]
Calculated Mw	53 kDa
PTM	Phosphoprotein ; Ubl conjugation. [UniProt]
Cellular Localization	Nucleus. [UniProt]