

Product Name: TIEG2 Rabbit Polyclonal Antibody
Catalog #: APRab18927



Summary

Production Name	TIEG2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	KLF11
Alternative Names	KLF11; FKLf; TIEG2; Krueppel-like factor 11; Transforming growth factor-beta-inducible early growth response protein 2; TGFB-inducible early growth response protein 2; TIEG-2
Gene ID	8462.0
SwissProt ID	O14901.The antiserum was produced against synthesized peptide derived from human KLF11. AA range:1-50

Application

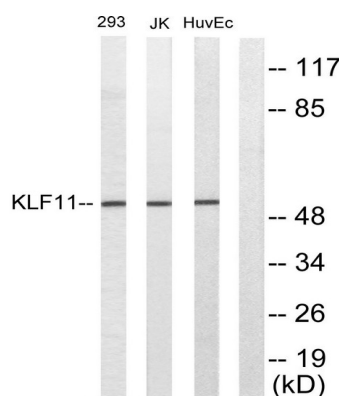
Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:20000
Molecular Weight	55kD

Background

The protein encoded by this gene is a zinc finger transcription factor that binds to SP1-like sequences in epsilon- and gamma-globin gene promoters. This binding inhibits cell growth and causes apoptosis. Defects in this gene are a cause of maturity-onset diabetes of the young type 7 (MODY7). Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Apr 2010],caution:PubMed:11087666 sequence was originally thought to originate from mouse.,disease:Defects in KLF11 are the cause of maturity-onset diabetes of the young type 7 (MODY7) [MIM:610508]. MODY [MIM:606391] has an autosomal dominant inheritance, onset at age less than 25 years and a primary defect in insulin secretion. MODY pedigrees are usually multigenerational families with penetrance of 80 to 95%. Patients have a nonobese body habitus and the so-called metabolic syndrome characterized by diabetes, insulin resistance, hypertension, and hypertriglyceridemia is absent.,function:Transcription factor. Activates the epsilon- and gamma-globin gene promoters and, to a much lower degree, the beta-globin gene and represses promoters containing SP1-like binding inhibiting cell growth. Represses transcription of SMAD7 which enhances TGF-beta signaling. Induces apoptosis.,induction:By TGF-beta.,similarity:Belongs to the Sp1 C2H2-type zinc-finger protein family.,similarity:Contains 3 C2H2-type zinc fingers.,tissue specificity:Ubiquitous. Higher expression in erythroid cells.,

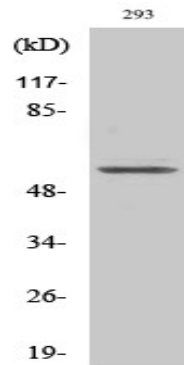
Research Area

Image Data



Western blot analysis of lysates from 293, Jurkat, and HUVEC cells, using KLF11 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using TIEG2 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .

Note

For research use only.