



TIEG2 Monoclonal Antibody

Catalog No	YP-mAb-02115
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	KLF11
Immunogen	The antiserum was produced against synthesized peptide derived from human KLF11. AA range:1-50
Specificity	TIEG2 Monoclonal Antibody detects endogenous levels of TIEG2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FKLF;FKLF1;Krueppel like factor 11;Kruppel like factor 11;MODY7;TIEG2; KLF11;Krueppel-like factor 11;Transforming growth factor-beta-inducible early growth response protein 2;TGFB-inducible early growth response protein 2; TIEG-2
Observed Band	55kD
Calculated Molecular Weight	55kD
Cell Pathway	Nucleus .
Tissue Specificity	Ubiquitous. Higher expression in erythroid cells.
Function	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.,s

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],

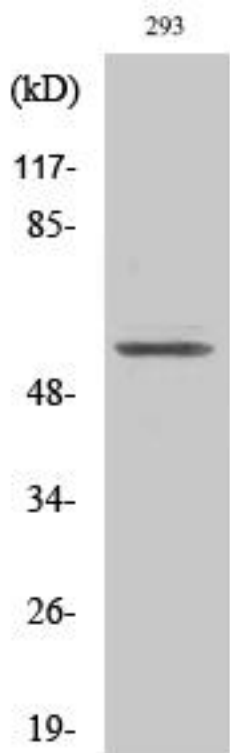
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using TIEG2 Monoclonal Antibody