

TIEG2 Polyclonal Antibody

Catalog No :	YT4653
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	TIEG2
Gene Name :	KLF11
Protein Name :	Krueppel-like factor 11
Human Gene Id :	8462
Human Swiss Prot No :	O14901
Mouse Gene Id :	194655
Mouse Swiss Prot No :	Q8K1S5
Immunogen :	The antiserum was produced against synthesized peptide derived from human KLF11. AA range:1-50
Specificity :	TIEG2 Polyclonal Antibody detects endogenous levels of TIEG2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 55kD

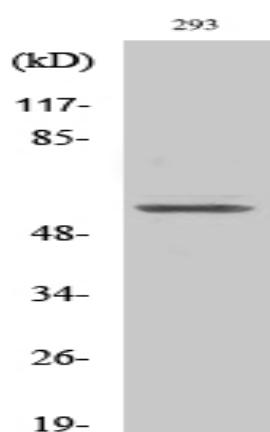
Background : The protein encoded by this gene is a zinc finger transcription factor that binds to SP1-like sequences in epsilon- and gamma-globin gene promoters. This binding inhibits cell growth and causes apoptosis. Defects in this gene are a cause of maturity-onset diabetes of the young type 7 (MODY7). Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Apr 2010],

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

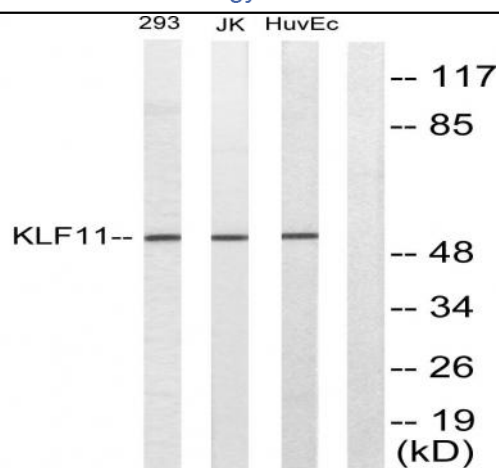
Subcellular Location : Nucleus .

Expression : Ubiquitous. Higher expression in erythroid cells.

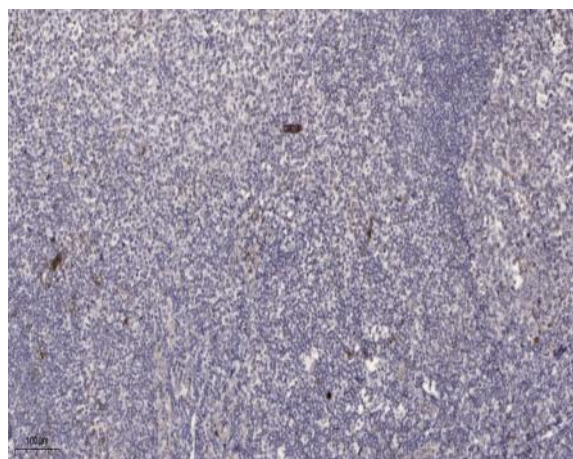
Products Images



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).



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.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).