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Anti-KLF11 Antibody

Catalog # AP51301

Product Information

Application	WB, IHC
Primary Accession	O14901
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55139

Additional Information

Gene ID	8462
Other Names	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
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human KLF11. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

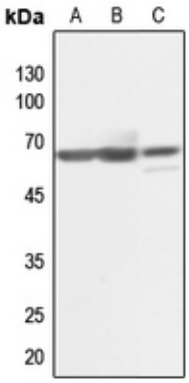
Protein Information

Name	KLF11
Synonyms	FKLF, TIEG2
Function	Transcription factor (PubMed: 10207080, PubMed:9748269). 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 (PubMed:10207080, PubMed:16131492, PubMed:9748269). Represses transcription of SMAD7 which enhances TGF-beta signaling (By similarity). Induces apoptosis (By similarity).
Cellular Location	Nucleus.
Tissue Location	Ubiquitous. Higher expression in erythroid cells.

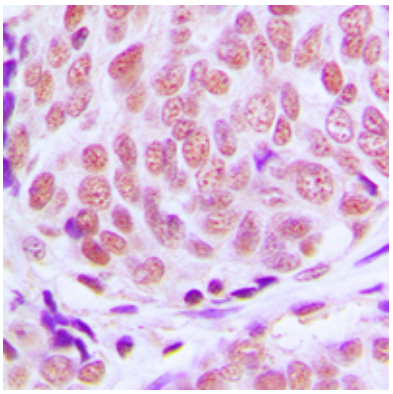
References

Cook T.,et al.J. Biol. Chem. 273:25929-25936(1998).
Asano H.,et al.Mol. Cell. Biol. 19:3571-3579(1999).
Scohy S.,et al.Genomics 70:93-101(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 434:724-731(2005).

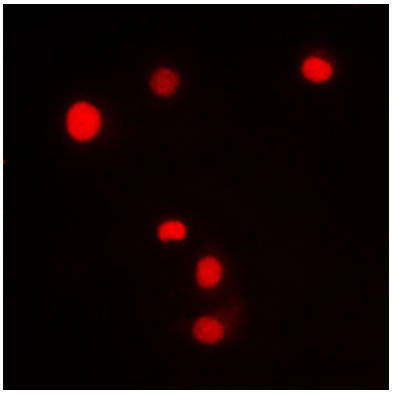
Images



Western blot analysis of KLF11 expression in H460 (A), H1688 (B), rat testis (C) whole cell lysates. (Predicted band size: 55 kD; Observed band size: 60 kD)



Immunohistochemical analysis of KLF11 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of KLF11 staining in HL60 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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