

EKLF Polyclonal Antibody
Catalog # AP73608**Specification**

EKLF Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q13351
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

EKLF Polyclonal Antibody - Additional Information**Gene ID** 10661**Other Names**

KLF1; EKLF; Krueppel-like factor 1; Erythroid krueppel-like transcription factor; EKLF

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

EKLF Polyclonal Antibody - Protein Information**Name** KLF1**Synonyms** EKLF**Function**

Transcription regulator of erythrocyte development that probably serves as a general switch factor during erythropoiesis. Is a dual regulator of fetal-to-adult globin switching. Binds to the CACCC box in the beta-globin gene promoter and acts as a preferential activator of this gene. Furthermore, it binds to the BCL11A promoter and activates expression of BCL11A, which in turn represses the HBG1 and HBG2 genes. This dual activity ensures that, in most adults, fetal hemoglobin levels are low. Able to activate CD44 and AQP1 promoters (PubMed:21055716). When sumoylated, acts as a transcriptional repressor by promoting interaction with CDH2/M12beta and also represses megakaryocytic differentiation.

Cellular Location

Nucleus. Note=Colocalizes with SUMO1 in nuclear speckles.

Tissue Location

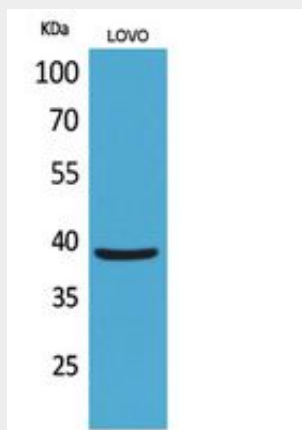
Expression restricted to adult bone marrow and fetal liver. Not expressed in myeloid nor lymphoid cell lines

EKLF Polyclonal Antibody - Protocols

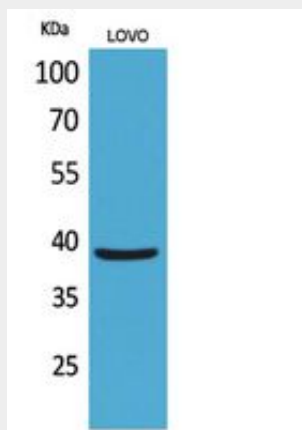
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

EKLF Polyclonal Antibody - Images



Western Blot analysis of LOVO cells using EKLF Polyclonal Antibody.. Secondary antibody was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



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