

KLF4(S254) Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP22394a

Product Information

Application WB, E Primary Accession 043474

Reactivity Human, Rat, Mouse

Host Rabbit
Clonality polyclonal
Isotype Rabbit IgG
Clone Names R01430NP
Calculated MW 54671

Additional Information

Gene ID 9314

Other Names Krueppel-like factor 4, Epithelial zinc finger protein EZF, Gut-enriched

krueppel-like factor, KLF4, EZF, GKLF

Target/Specificity This KLF4(S254) antibody is generated from a rabbit immunized with a KLH

conjugated synthetic peptide between amino acids from the human region of

human KLF4(S254).

Dilution WB~~1:1000 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This

antibody is purified through a protein A column, followed by peptide affinity

purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions KLF4(S254) Antibody is for research use only and not for use in diagnostic or

therapeutic procedures.

Protein Information

Name KLF4 (HGNC:6348)

Synonyms EZF, GKLF

Function Transcription factor; can act both as activator and as repressor. Binds the

5'-CACCC-3' core sequence. Binds to the promoter region of its own gene and

can activate its own transcription. Regulates the expression of key

transcription factors during embryonic development. Plays an important role in maintaining embryonic stem cells, and in preventing their differentiation. Required for establishing the barrier function of the skin and for postnatal maturation and maintenance of the ocular surface. Involved in the differentiation of epithelial cells and may also function in skeletal and kidney development. Contributes to the down-regulation of p53/TP53 transcription.

Cellular Location

Nucleus {ECO:0000250 | UniProtKB:Q60793}. Cytoplasm {ECO:0000250 | UniProtKB:Q60793}

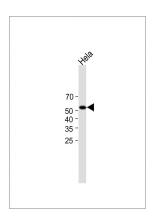
Background

Transcription factor; can act both as activator and as repressor. Binds the 5'-CACCC-3' core sequence. Binds to the promoter region of its own gene and can activate its own transcription. Regulates the expression of key transcription factors during embryonic development. Plays an important role in maintaining embryonic stem cells, and in preventing their differentiation. Required for establishing the barrier function of the skin and for postnatal maturation and maintenance of the ocular surface. Involved in the differentiation of epithelial cells and may also function in skeletal and kidney development. Contributes to the down-regulation of p53/TP53 transcription.

References

Yet S.-F.,et al.J. Biol. Chem. 273:1026-1031(1998). Foster K.W.,et al.Cell Growth Differ. 10:423-434(1999). Camacho-Vanegas O.,et al.FASEB J. 27:432-436(2013). Garrett-Sinha L.A.,et al.Submitted (SEP-1996) to the EMBL/GenBank/DDBJ databases. Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



All lanes: Anti-KLF4(S254) Antibody at 1:1000 dilution Lane 1: Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 55kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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