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KLF4 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP11958b

Specification

KLF4 Antibody (C-term) Blocking peptide - Product Information

Primary Accession O43474

KLF4 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 9314

Other Names
Krueppel-like factor 4, Epithelial zinc finger protein EZF, Gut-enriched krueppel-like factor, KLF4, EZF, GKLF

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

KLF4 Antibody (C-term) Blocking peptide - 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}

KLF4 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

KLF4 Antibody (C-term) Blocking peptide - Images

KLF4 Antibody (C-term) Blocking peptide - Background

KLF4 is a transcription factor which acts as both an activator and repressor. Binds the CACCC core sequence. Binds to multiple sites in the 5'-flanking region of its own gene and can activate its own transcription. 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.

KLF4 Antibody (C-term) Blocking peptide - References

Guan, H., et al. Blood 116(9):1469-1478(2010)Wong, C.W., et al. Stem Cells 28(9):1510-1517(2010)Ohnesorge, N., et al. J. Biol. Chem. 285(34):26199-26210(2010)Cekanova, M., et al. Eur. J. Pharmacol. 637 (1-3), 30-37 (2010) :Yori, J.L., et al. J. Biol. Chem. 285(22):16854-16863(2010)