

KLF4 Antibody

Rabbit mAb

Catalog # AP91079

Product Information

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|--------------------------|--|
| Application | WB, IHC, IF, ICC, IHF |
| Primary Accession | O43474 |
| Reactivity | Rat, Human, Mouse |
| Clonality | Monoclonal |
| Other Names | Krueppel-like factor 4; KLF4; EZF; GKLF; |
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 54671 |

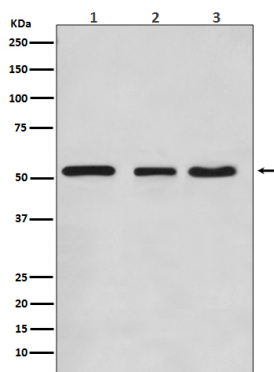
Additional Information

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| Dilution | WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 |
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human KLF4 |
| Description | KLF4 is a member of the erythroid Kruppel-like factor (EKLF) multigene family that is highly expressed in the differentiating layers of the epidermis. KLF4 plays a critical role in the differentiation of epithelial cells and is essential for normal gastric homeostasis and function as both a repressor and activator of transcription. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

Protein Information

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| 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} |

Images



Western blot analysis of KLF4 expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate; (3) C6 cell lysate.

Image not found : 202311/AP91079-IHC.jpg

Immunohistochemical analysis of paraffin-embedded mouse liver, using KLF4 Antibody.

Image not found : 202311/AP91079-IF.jpg

Immunofluorescent analysis of Hela cells, using KLF4 Antibody.

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