

KD-Validated Anti-KLF Transcription Factor 4 Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI1094

Product Information

Application	WB
Primary Accession	O43474
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2b kappa
Clone Names	25GB575
Calculated MW	54671
Gene Name	KLF4
Aliases	KLF4; KLF Transcription Factor 4; GKLF; EZF; Epithelial Zinc Finger Protein EZF; Gut-Enriched Krueppel-Like Factor; Kruppel-Like Factor 4 (Gut); Gut Kruppel-Like Factor; Krueppel-Like Factor 4; Kruppel Like Factor 4; Endothelial Kruppel-Like Zinc Finger Protein
Immunogen	Recombinant protein of human KLF4

Additional Information

Gene ID	9314
Other Names	Krueppel-like factor 4, Epithelial zinc finger protein EZF, Gut-enriched krueppel-like factor, KLF4 (HGNC:6348), EZF, GKLF

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}

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