
Product Name: KD-Validated KLF Transcription Factor 4 Mouse Monoclonal Antibody
Catalog #: KVA01727

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:2,500-1:5,000
Molecular Weight	Calculated MW: 54.7kDa

Antigen Information

Gene Name	KLF4
Alternative Names	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
Gene ID	9314.0
SwissProt ID	O43474
Immunogen	Recombinant protein of human KLF4

Background

This gene encodes a protein that belongs to the Kruppel family of transcription factors. The encoded zinc finger protein is required for normal development of the barrier function of skin. The encoded protein is thought to control the G1-to-S

transition of the cell cycle following DNA damage by mediating the tumor suppressor gene p53. Mice lacking this gene have a normal appearance but lose weight rapidly, and die shortly after birth due to fluid evaporation resulting from compromised epidermal barrier function. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]

Research Area

Epigenetics and Nuclear Signaling, Stem Cells, Cancer, Cardiovascular, Developmental Biology

Image Data

