



KLF4

Mouse monoclonal Antibody

#53576

Catalog Number: 53576

Amount: 100µg/100µl

Swiss-Prot No. : O43474

Gene name: klf4

Gene id: 16600

Clone Number: 3B3-B11-E6

Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Storage/Stability: Store at -20°C/1 year

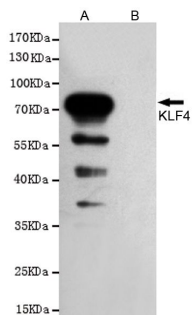
Immunogen: Purified recombinant mouse KLF4 protein fragments expressed in E.coli.

Purification: affinity-chromatography

Specificity/Sensitivity: This antibody detects endogenous levels of KLF4 and does not cross-react with related proteins

Reactivity: Human, Mouse

Applications: Predicted MW: 55/65 kd WB: 1:1000



Western blot analysis of extracts from CHO-K1 cells, transfected with pcDNA3.1-Hygro(+)-mKLF4-Flag construct(A) or transfected with pDNA3.1-Hygro(+)-Flag vector (B), using KLF4 mouse mAb (1:1000 diluted). Predicted band size: 55/65KDa. Observed band size: 55/65KDa.

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.