Immunoway
Best Tools for immunology Research

KLF4 mouse mAb

Catalog No :	YM1219
Applications :	WB
Target :	KLF4
Fields :	>>Signaling pathways regulating pluripotency of stem cells;>>Chemical carcinogenesis - receptor activation
Gene Name :	klf4
Human Gene Id :	16600
Human Swiss Prot No :	O43474
Mouse Swiss Prot No :	Q60793
Immunogen :	Purified recombinant mouse KLF4 protein fragments expressed in E.coli.
Specificity :	Transfected Only.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	wb 1:1000
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	55/65kD
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

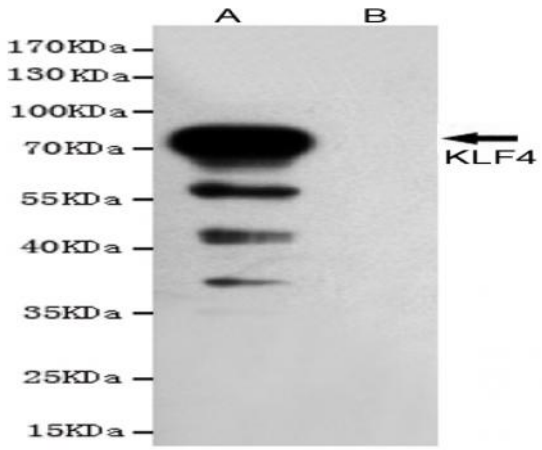
barrier function of skin. The encoded protein is thought to control the G1-to-S transition of the cell cycle following DNA damage by mediating the tumor suppressor gene p53. Mice lacking this gene have a normal appearance but lose weight rapidly, and die shortly after birth due to fluid evaporation resulting from compromised epidermal barrier function. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015],

Function : function: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.,similarity:Belongs to the krueppel C2H2-type zinc-finger protein family.,similarity:Contains 3 C2H2-type zinc fingers.,subunit:Interaction with the C-terminal domain of MUC1 enhances suppression of TP53/p53 transcription.,

Subcellular Location : Nucleus.

Expression : Cervix,Lung,Placenta,Substantia nigra,Tongue,

Products Images



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.