



KLF4 Rabbit mAb

Catalog No	YP-rAb-18087
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	KLF4
Protein Name	Krueppel-like factor 4
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1000; WB 1:1000-5000; IF 1:200-1000; ELISA 1:5000-20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	KLF4;Krueppel-like factor 4;KLF4 ; EZF ; GKLF ; Krueppel-like factor 4 ; Epithelial zinc finger protein EZF ; Gut-enriched krueppel-like factor
Observed Band	60kD
Calculated Molecular Weight	55kD
Cell Pathway	Nuclear
Tissue Specificity	Cervix,Lung,Placenta,Substantia nigra,Tongue,
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.,
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





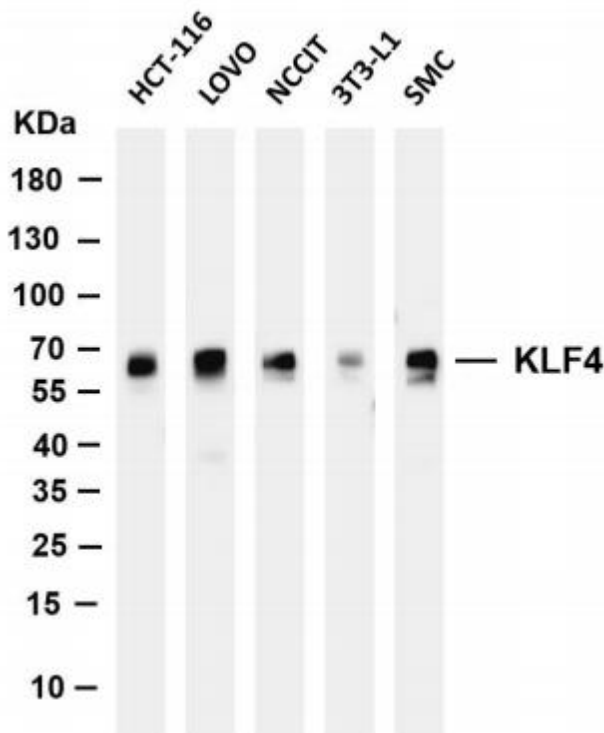
transition of the cell cycle following DNA damage by mediating the tumor suppressor gene p53. Mice lacking this gene have a normal appearance but lose weight rapidly, and die shortly after birth due to fluid evaporation resulting from compromised epidermal barrier function. Alternative splicing results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

matters needing attention

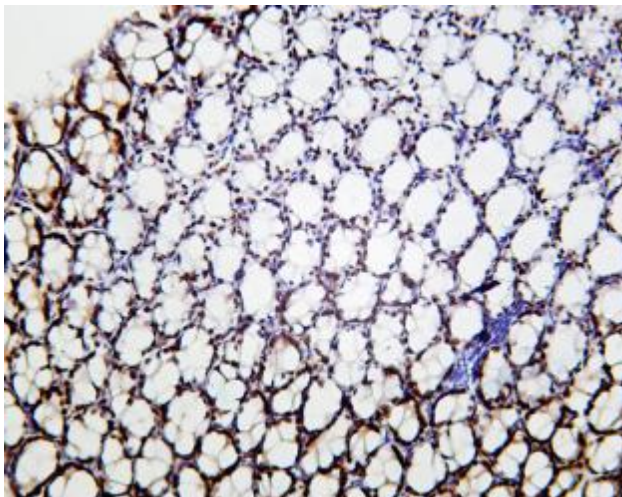
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

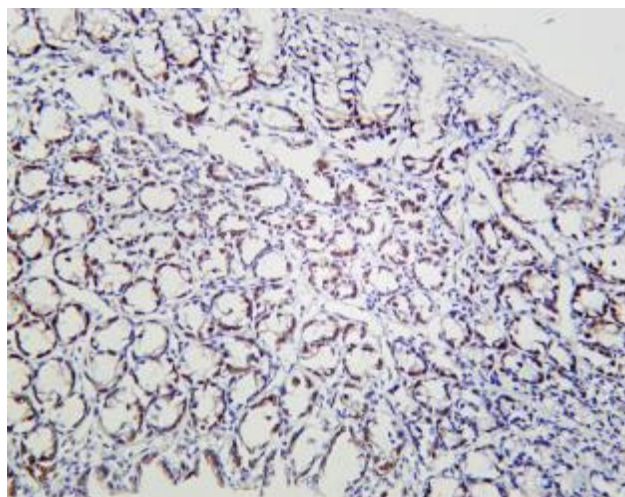


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-KLF4 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H+L) antibody was used to detect the antibody. Lane 1: HCT-116 Lane 2: LOVO Lane 3: NCCIT Lane 4: 3T3-L1 Lane 5: SMC Predicted band size: 55kDa Observed band size: 60kDa

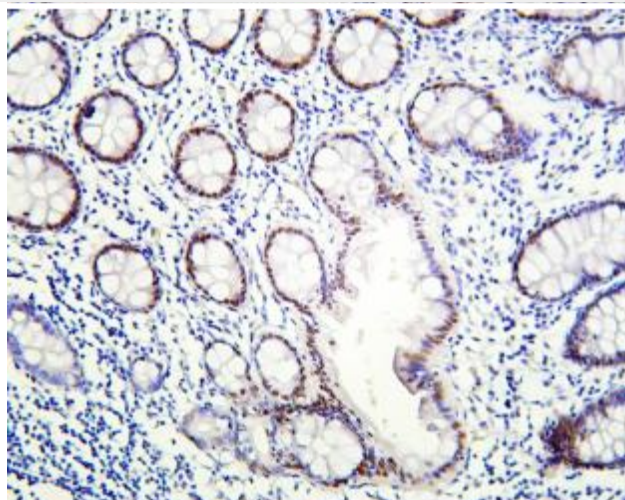


Mouse colon was stained with Anti-KLF4 rabbit antibody

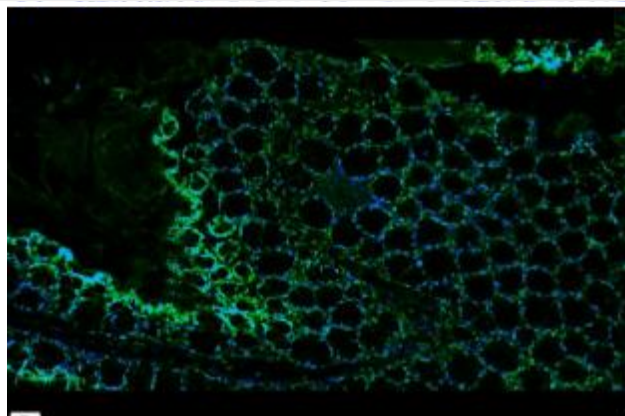




Rat colon was stained with Anti-KLF4 rabbit antibody



Human colon was stained with Anti-KLF4 rabbit antibody



mouse colon was stained with Anti-KLF4 rabbit antibody

