
KLF4 Recombinant Rabbit mAb

Catalog Number: bsm-52850R

Target Protein: KLF4

Concentration: 1mg/ml

Form: Size : 25ul/50ul/100ul/200ul

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Rabbit

Clonality: Recombinant

Clone No.: 6C5

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:50-200), IHC-F (1:50-200), IF (1:50-200), Flow-Cyt (1ug/Test), ICC/IF (1:100)

Reactivity: Human, Mouse, Rat

Predicted MW: 56 kDa

Entrez Gene: 9314

Swiss Prot: O43474

Purification: affinity purified by Protein A

Storage: Size : 25ul/50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

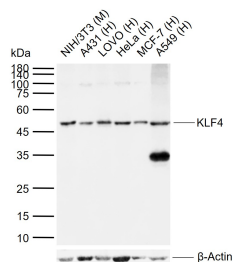
Size : 200ug (PBS only)

0.01M PBS

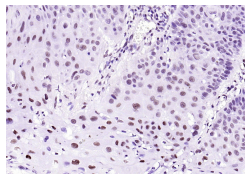
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: KLF4 is a transcription factor that works with Sp1 to activate the Laminin gamma1 chain gene. It binds the CACCC core sequence. KLF4 may be involved in the differentiation of epithelial cells and may also function in the development of the skeleton and kidney. KLF4 also has roles as both an oncogene and a tumor suppressor.

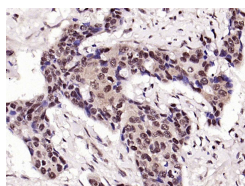
VALIDATION IMAGES



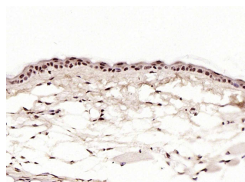
Sample: Lane 1: Mouse NIH/3T3 cell lysates Lane 2: Human A431 cell lysates Lane 3: Human LOVO cell lysates Lane 4: Human HeLa cell lysates Lane 5: Human MCF-7 cell lysates Lane 6: Human A549 cell lysates Primary: Anti-KLF4 (bsm-52850R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 56 kDa Observed band size: 50 kDa



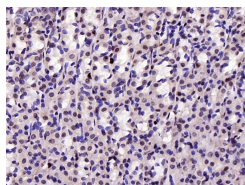
Paraformaldehyde-fixed, paraffin embedded (human laryngeal carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KLF4) Monoclonal Antibody, Unconjugated (bsm-52850R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



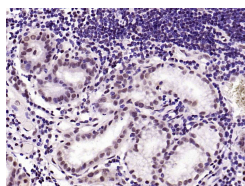
Paraformaldehyde-fixed, paraffin embedded (Human esophageal cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KLF4) Monoclonal Antibody, Unconjugated (bsm-52850R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KLF4) Monoclonal Antibody, Unconjugated (bsm-52850R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KLF4) Monoclonal Antibody, Unconjugated (bsm-52850R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KLF4) Monoclonal Antibody, Unconjugated (bsm-52850R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=4.167] Zheng Wang. et al. MYOD1 inhibits avian adipocyte differentiation via miRNA-206/ KLF4 axis. J Anim Sci Biotechno. 2021 Dec;12(1):1-13 WB ; Chicken . 33952351