bs-3644R

[Primary Antibody]

KLF9 Rabbit pAb

— DATASHEET

Host: Rabbit   **Isotype:** IgG

Clonality: Polyclonal

GeneID: 687   **SWISS:** Q13886

Target: KLF9

Immunogen: KLH conjugated synthetic peptide derived from human KLF9: 151-244/244.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: KLF9 is a transcription factor that binds to GC box promoter elements. It activates mRNA synthesis selectively from genes containing tandem repeats of GC boxes but represses genes with a single GC box. KLF9 belongs to the Sp1 C2H2 type zinc finger protein family.

Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat)

Predicted MW.: 27 kDa

Subcellular Location: Nucleus

— VALIDATION IMAGES
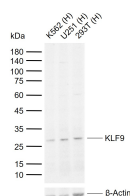
Sample: Lane 1: Human K562 cell lysates Lane 2: Human U251 cell lysates Lane 3: Human 293T cell lysates Primary: Anti-KLF9 (bs-3644R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 27 kDa Observed band size: 27 kDa

— SELECTED CITATIONS

- **[IF=6.5]** Yang Fan. et al. Identifying oxidative stress-related biomarkers in idiopathic pulmonary fibrosis in the context of predictive, preventive, and personalized medicine using integrative omics approaches and machine-learning strategies. EPMA Journal. 2023 Jul;:1-26 WB ;Rat. 10.1007/s13167-023-00334-4

- **[IF=5.2]** Xiaonan Zhou. et al.KLF9-GRK5-HDAC6 axis aggravates osteoarthritis pathogenesis by promoting chondrocyte extracellular matrix degradation and apoptosis.COMMUNICATIONS BIOLOGY.2025 Jan 8;8(1):23. Western blot , IHC ;. 39779910

- **[IF=2.145]** Yong Luo. et al. Identification of a Necroptosis-Related Prognostic Index and Associated Regulatory Axis in Kidney Renal Clear Cell Carcinoma. INT J GEN MED. 2022; 15: 5407–5423 IHC ;Human. 35685693