

KLF4 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 252108

Unit: 0.1 mg

Description:

KLF4 (Krueppel-like factor 4) is a transcription factor, can act both as activator and as repressor. KLF4 binds the 5'-CACCC-3' core sequence of promoters, and also binds to its own promoter region of its own gene and can activate its own transcription. KLF4 regulates the expression of key transcription factors during embryonic development. KLF4 plays an important role in maintaining embryonic stem cells, in preventing their differentiation. POU5F1/OCT4, SOX2, MYC/c-Myc and KLF4 are the four Yamanaka factors. When combined, these factors are sufficient to reprogram differentiated cells to an embryonic-like state designated iPS (induced pluripotent stem) cells. iPS cells exhibit the morphology and growth properties of ES cells and express ES cell marker genes.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

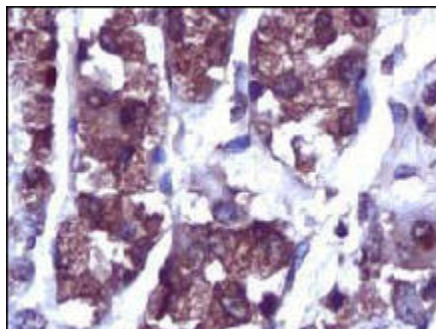
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 1% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Krueppel-like factor 4; Epithelial zinc finger protein EZF; Gut-enriched krueppel-like factor; KLF4; EZF; GKLF

Accession No.: O43474

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human KLF4.

Application Notes: E: 1:10,000-1:50,000; WB: 1:100-1:500; IHC: 1:50-1:200



KLF4 staining in human lymph nodes. Paraffin-embedded human lymph nodes are stained with KLF4 Antibody (Cat. No. 252108) used at 1:100 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.