

## Anti-Kruppel-like factor 4 KLF4 Antibody Picoband® HRP Conjugated

Catalog Number: PA2211-HRP

### About KLF4

Kruppel-like factor 4, also known as EZF or GKLF, is a protein that in humans is encoded by the KLF4 gene. This gene is mapped to 9q31.2. KLF4 gene encodes a member of the Kruppel family of transcription factors. This gene plays an important role in maintaining embryonic stem cells, and in preventing their differentiation. It is required for establishing the barrier function of the skin and for postnatal maturation and maintenance of the ocular surface. This gene involved in the differentiation of epithelial cells and may also function in skeletal and kidney development.

### Overview

Product Name	Anti-Kruppel-like factor 4 KLF4 Antibody Picoband® HRP Conjugated
Reactive Species	Human, Mouse, Rat
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	O43474

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human KLF4, identical to the related mouse and rat sequences.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	HRP
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

### 4 Publications Citing This Product

1. PubMed ID: 31933825, Deng S,Zhang Y,Wang Y,Lu X,Jiang Q.MicroRNA-92 regulates vascular smooth muscle cell function by targeting KLF4 during vascular restenosis and injury.Int J Clin Exp Pathol.2019 Dec 1;12(12):4253-4262.PMID:31933825;PMCID:PMC6949870.

2. PubMed ID: 33069797, Shi R,Liu L,Wang F,He Y,Niu Y,Wang C,Zhang X,Zhang X,Zhang H,Chen M,Wang Y.Downregulation of cytokeratin 18 induces cellular partial EMT and stemness through increasing EpCAM expression in breast cancer.Cell Signal.2020 Dec;76:109810.doi:10.1016/j.cellsig

3. PubMed ID: 26938105, CHIR99021 enhances Klf4 Expression through  $\beta$ -Catenin Signaling and miR-7a Regulation in J1 Mouse Embryonic Stem Cells

Visit [bosterbio.com/anti-klf4-antibody-pa2211-boster.html](https://bosterbio.com/anti-klf4-antibody-pa2211-boster.html) to see all 4 publications.

## Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Krueppel-like factor 4 KLF4 Antibody - HRP

For Research Use Only. Not for use in diagnostic procedures.