BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-KLF4 Antibody

**Catalog Number:** M00120-2

## About KLF4

Transcription factor; can act both as activator and as repressor. Binds the 5'-CACCC-3' core sequence. Binds to the promoter region of its own gene and can activate its own transcription. Regulates the expression of key transcription factors during embryonic development. Plays an important role in maintaining embryonic stem cells, and in preventing their differentiation. 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. Contributes to the down-regulation of p53/TP53 transcription.

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## Overview

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| Product Name | Anti-KLF4 Antibody |
| Reactive Species | Human, Mouse |
| Description | Boster Bio Anti-KLF4 Antibody (Catalog # M00120-2). Tested in WB application(s). This antibody reacts with Human, Mouse. |
| Application | WB |
| Clonality | Monoclonal 2000CT726.79.22 |
| Formulation | Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. |
| Storage Instructions | Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Host | Mouse |
| Uniprot ID | O43474 |

## Technical Details

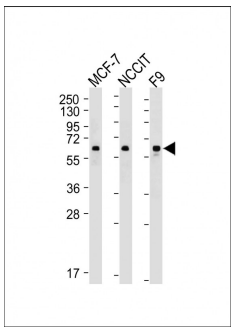
| | |
|---|---|
| Immunogen | This KLF4 antibody is generated from a mouse immunized with a recombinant protein from the human region of human KLF4. |
| Predicted Reactive Species | Human |
| Isotype | IgG1,kappa |

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| Purification | This antibody is purified through a protein G column, followed by dialysis against PBS. |
| Suggested Dilutions | WB: 1:500-1:1000 |

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# Anti-KLF4 Antibody (M00120-2) Images




All lanes : Anti-KLF4 Antibody at 1:500-1:1000 dilutionLane 1: MCF-7 whole cell lysateLane 2: NCCIT whole cell lysateLane 3: F9 whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

## 1 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.

Visit bosterbio.com/anti-klf4-antibody-m00120-2-boster.html to see all 1 publications.

Anti-KLF4 Antibody

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