

# KD-Validated Anti-KLF4 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1129

## Product Information

|                          |                                                                                                                                                                                                                                                                 |
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| <b>Application</b>       | WB, FC, ICC                                                                                                                                                                                                                                                     |
| <b>Primary Accession</b> | <a href="#">O43474</a>                                                                                                                                                                                                                                          |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                                                                                                                                                               |
| <b>Clonality</b>         | Monoclonal                                                                                                                                                                                                                                                      |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                                                                                                                                                      |
| <b>Clone Names</b>       | 25GB2120                                                                                                                                                                                                                                                        |
| <b>Calculated MW</b>     | 54671                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>         | KLF4                                                                                                                                                                                                                                                            |
| <b>Aliases</b>           | KLF Transcription Factor 4; GKLF; EZF; Epithelial Zinc Finger Protein EZF; Gut-Enriched Krueppel-Like Factor; Kruppel-Like Factor 4 (Gut); Gut Kruppel-Like Factor; Krueppel-Like Factor 4; Kruppel Like Factor 4; Endothelial Kruppel-Like Zinc Finger Protein |
| <b>Immunogen</b>         | A synthesized peptide derived from human KLF4                                                                                                                                                                                                                   |

## Additional Information

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| <b>Gene ID</b>     | 9314                                                                                                                                         |
| <b>Other Names</b> | Krueppel-like factor 4, Epithelial zinc finger protein EZF, Gut-enriched krueppel-like factor, KLF4 ( <a href="#">HGNC:6348</a> ), EZF, GKLF |

## Protein Information

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| <b>Name</b>              | KLF4 ( <a href="#">HGNC:6348</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>          | EZF, GKLF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Function</b>          | 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. |
| <b>Cellular Location</b> | Nucleus {ECO:0000250 UniProtKB:Q60793}. Cytoplasm {ECO:0000250 UniProtKB:Q60793}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |