

#### DESCRIPTION

|                                                                                                                                                                                                         |                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Species Reactivity</b>                                                                                                                                                                               | Mouse                                                                                |
| <b>Specificity</b>                                                                                                                                                                                      | Detects mouse KLF4 in direct ELISAs and Western blots.                               |
| <b>Source</b>                                                                                                                                                                                           | Polyclonal Goat IgG                                                                  |
| <b>Purification</b>                                                                                                                                                                                     | Antigen Affinity-purified                                                            |
| <b>Immunogen</b>                                                                                                                                                                                        | <i>E. coli</i> -derived recombinant mouse KLF4<br>Ala11-Phe483<br>Accession # Q60793 |
| <b>Conjugate</b>                                                                                                                                                                                        | Alexa Fluor 350<br>Excitation Wavelength: 346 nm<br>Emission Wavelength: 442 nm      |
| <b>Formulation</b>                                                                                                                                                                                      | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide                         |
| *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |                                                                                      |

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

|                                             |                                                                        |
|---------------------------------------------|------------------------------------------------------------------------|
| <b>Western Blot</b>                         | Optimal dilution of this antibody should be experimentally determined. |
| <b>Chromatin Immunoprecipitation (ChIP)</b> | Optimal dilution of this antibody should be experimentally determined. |
| <b>Immunocytochemistry</b>                  | Optimal dilution of this antibody should be experimentally determined. |
| <b>Immunohistochemistry</b>                 | Optimal dilution of this antibody should be experimentally determined. |

#### PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

#### BACKGROUND

KLF4 belongs to the KLF family of transcription factors that regulate several cell functions. It is highly expressed in differentiated epithelial cells of the gastrointestinal tract. Human and mouse KLF4 share 91% amino acid sequence homology.

#### PRODUCT SPECIFIC NOTICES

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