

**KLF4 Rabbit mAb**  
Catalog # AP76561**Specification**

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**KLF4 Rabbit mAb - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">Q60793</a>
Reactivity	<b>Human, Mouse, Hamster</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>51880</b>

**KLF4 Rabbit mAb - Additional Information****Gene ID** 16600**Other Names**

Klf4

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

**Format**

Liquid

**KLF4 Rabbit mAb - Protein Information****Name** Klf4**Synonyms** Ezf, Gklf, Zie**Function**

Transcription factor; can act both as activator and as repressor. Binds the 5'-CACCC-3' core sequence (PubMed: [10431239](http://www.uniprot.org/citations/10431239) target="\_blank">10431239</a>, PubMed: [10556311](http://www.uniprot.org/citations/10556311) target="\_blank">10556311</a>, PubMed: [15358627](http://www.uniprot.org/citations/15358627) target="\_blank">15358627</a>, PubMed: [16954384](http://www.uniprot.org/citations/16954384) target="\_blank">16954384</a>, PubMed: [17060454](http://www.uniprot.org/citations/17060454) target="\_blank">17060454</a>, PubMed: [19816951](http://www.uniprot.org/citations/19816951) target="\_blank">19816951</a>, PubMed: [20071344](http://www.uniprot.org/citations/20071344) target="\_blank">20071344</a>, PubMed: [29593216](http://www.uniprot.org/citations/29593216) target="\_blank">29593216</a>). Binds to the promoter region of its own gene and can activate its own transcription (PubMed: [10431239](http://www.uniprot.org/citations/10431239) target="\_blank">10431239</a>, PubMed: [10556311](http://www.uniprot.org/citations/10556311) target="\_blank">10556311</a>, PubMed: [15358627](http://www.uniprot.org/citations/15358627) target="\_blank">15358627</a>, PubMed: [16954384](http://www.uniprot.org/citations/16954384) target="\_blank">16954384</a>, PubMed: [17060454](http://www.uniprot.org/citations/17060454) target="\_blank">17060454</a>).

target="\_blank">17060454</a>, PubMed:<a href="http://www.uniprot.org/citations/19816951" target="\_blank">19816951</a>, PubMed:<a href="http://www.uniprot.org/citations/20071344" target="\_blank">20071344</a>, PubMed:<a href="http://www.uniprot.org/citations/29593216" target="\_blank">29593216</a>). Regulates the expression of key transcription factors during embryonic development (PubMed:<a href="http://www.uniprot.org/citations/10431239" target="\_blank">10431239</a>, PubMed:<a href="http://www.uniprot.org/citations/10556311" target="\_blank">10556311</a>, PubMed:<a href="http://www.uniprot.org/citations/15358627" target="\_blank">15358627</a>, PubMed:<a href="http://www.uniprot.org/citations/16954384" target="\_blank">16954384</a>, PubMed:<a href="http://www.uniprot.org/citations/17060454" target="\_blank">17060454</a>, PubMed:<a href="http://www.uniprot.org/citations/19816951" target="\_blank">19816951</a>, PubMed:<a href="http://www.uniprot.org/citations/20071344" target="\_blank">20071344</a>, PubMed:<a href="http://www.uniprot.org/citations/29593216" target="\_blank">29593216</a>). Plays an important role in maintaining embryonic stem cells, and in preventing their differentiation (PubMed:<a href="http://www.uniprot.org/citations/10431239" target="\_blank">10431239</a>, PubMed:<a href="http://www.uniprot.org/citations/10556311" target="\_blank">10556311</a>, PubMed:<a href="http://www.uniprot.org/citations/15358627" target="\_blank">15358627</a>, PubMed:<a href="http://www.uniprot.org/citations/16954384" target="\_blank">16954384</a>, PubMed:<a href="http://www.uniprot.org/citations/17060454" target="\_blank">17060454</a>, PubMed:<a href="http://www.uniprot.org/citations/19816951" target="\_blank">19816951</a>, PubMed:<a href="http://www.uniprot.org/citations/20071344" target="\_blank">20071344</a>, PubMed:<a href="http://www.uniprot.org/citations/29593216" target="\_blank">29593216</a>). 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 (By similarity).

#### Cellular Location

Nucleus. Cytoplasm

#### Tissue Location

Highest expression in the colon. Lower levels in testis, lung and small intestine

#### KLF4 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### KLF4 Rabbit mAb - Images



