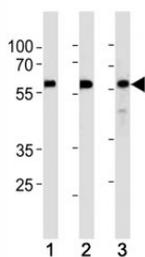


## KLF4 Antibody (F48146)

Catalog No.	Formulation	Size
F48146-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48146-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Purified
<b>UniProt</b>	O43474
<b>Applications</b>	Western Blot : 1:1000
<b>Limitations</b>	This KLF4 antibody is available for research use only.



KLF4 antibody western blot analysis in (1) HeLa, (2) MCF-7 and (3) SW480 lysate. Predicted molecular weight: 50-60 kDa + possible ~75 kDa (phosphorylated form).

## Description

Kruppel-like factor 4 (KLF4) is a transcription factor involved in both proliferation and differentiation in the colon. It is down-regulated in both mouse and human colonic adenomas and has been implicated as a tumor suppressor in the gut, whereas in breast cancer, KLF4 is an oncogene. KLF4 is also involved in reprogramming differentiated cells into pluripotent stem cells. KLF4 can act as a transcriptional activator or repressor, but the underlying mechanisms are poorly understood.

## Application Notes

Titration of the KLF4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## **Immunogen**

A portion of amino acids 20-53 from the human protein was used as the immunogen for this KLF4 antibody.

## **Storage**

Aliquot the KLF4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.