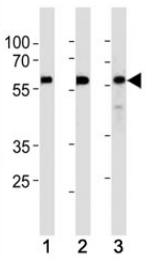
KLF4 Antibody (F48146)

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

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	O43474
Applications	Western blot: 1:1000
Limitations	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.

Learn more about KLF4 biology and its role as a stem cell-associated transcription factor by visiting our KLF4 Antibody /

Stem Cell Transcription Factor Antibody page.

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.

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