BT LAB
Bioassay Technology Laboratory
Optimize Your Research

GKLF Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0622
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human GKLF expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, ELISA
Concentration	1 mg/ml
Full name	Krueppel-like factor 4
Synonyms	KLF4; EZF; GKLF; Krueppel-like factor 4; Epithelial zinc finger protein EZF; Gut-enriched krueppel-like factor

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a protein that belongs to the Kruppel family of transcription factors. The encoded zinc finger protein is required for normal development of the barrier function of skin. The encoded protein is thought to control the G1-to-S transition of the cell cycle following DNA damage by mediating the tumor suppressor gene p53. Mice lacking this gene have a normal appearance but lose weight rapidly, and die shortly after birth due to fluid evaporation resulting from compromised epidermal barrier function. Alternative splicing results in multiple transcript variants encoding different isoforms.

Recommended Dilution

ELISA: 1:10000

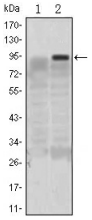
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

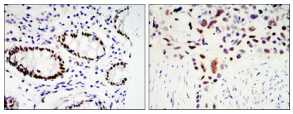
WB: 1:500 - 1:2000

Not yet tested in other applications.

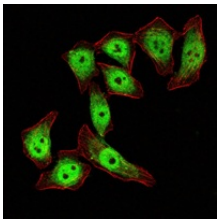
Images



Western Blot analysis using GKLF Monoclonal antibody against HEK293 (1) and KLF4-hIgGFc transfected HEK293 (2) cell lysate.



Immunohistochemistry analysis of paraffin-embedded colon cancer tissues (left) and lung cancer tissues (right) with DAB staining using GKLF Monoclonal antibody.



Immunofluorescence analysis of ECA109 cells using GKLF Monoclonal antibody (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Storage

-20°C for one year

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