

Monoclonal Antibody to KLF4 - Purified

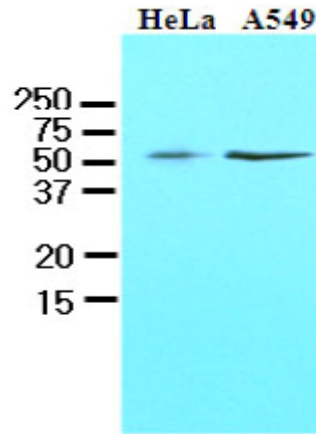
Alternate names:	EZF, Epithelial zinc finger protein EZF, GKL, Gut-enriched krueppel-like factor, Krueppel-like factor 4
Catalog No.:	AM09057PU-N
Quantity:	0.1 ml
Concentration:	1.0 mg/ml
Background:	KLF4, which is also known as the gut-enriched Kruppel-like factor (GKLF), is a zinc finger-containing transcription factor that belongs to the Kruppel-like family of transcription factors. KLF4 plays important roles during the proliferation and differentiation of epithelial cells. Especially, it is found predominantly in gut and has been shown to be expressed during growth arrest. KLF4 is also involved in cell cycle control since expression of KLF4 inhibits DNA synthesis by blocking the G1/S phase of the cell cycle.
Uniprot ID:	O43474
NCBI:	NP_004226.3
GeneID:	9314
Host / Isotype:	Mouse / IgG1
Clone:	AT4E6
Immunogen:	Recombinant human KLF4 (aa 1-170) purified from E. coli
Format:	State: Liquid purified Ig fraction Purification: Protein-G affinity chromatography Buffer System: PBS, pH 7.4, containing 0.09% sodium azide
Applications:	ELISA. Western blot (1:1,000 - 2,000). Immunohistochemistry on paraffin-embedded tissues (1:50). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody recognizes human KLF4. Other species not tested. Species: Human Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Yan FF, et al., (2008) Med Hypotheses. 70(4):845-7. Cho YG, et al., (2007) APMIS. 115(7):802-8.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

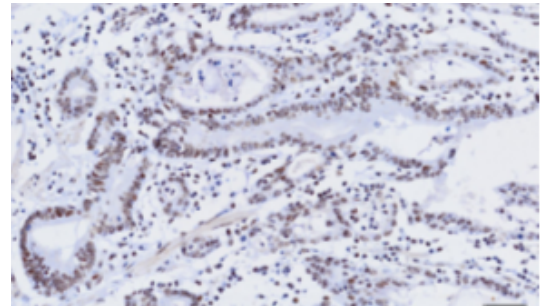
Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

Pictures:

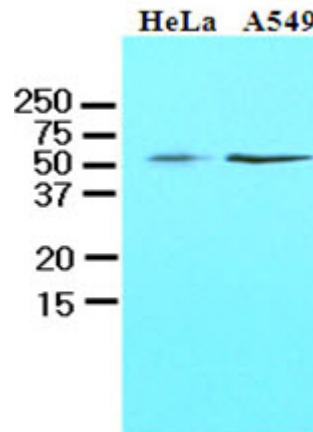
Western blot analysis: Cell lysates of HeLa and A549 (40 µg) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human KLF4 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



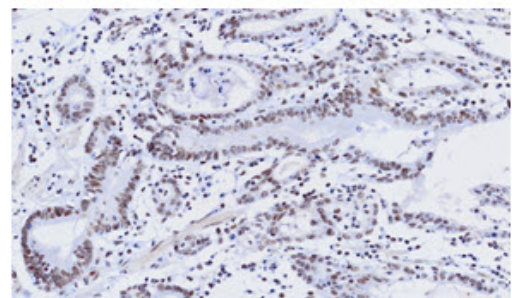
Immunohistochemistry: Paraffin embedded sections of human gastric cancer tissue were incubated with anti-human KLF4 (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1 M sodium citrate buffer. Diaminobenzidine (DAB) was used for detection.



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Human gastric cancer tissue