

Rabbit anti-Human KLF4 Polyclonal Antibody | anti-KLF4 antibody

KLF4 Antibody (C-term)

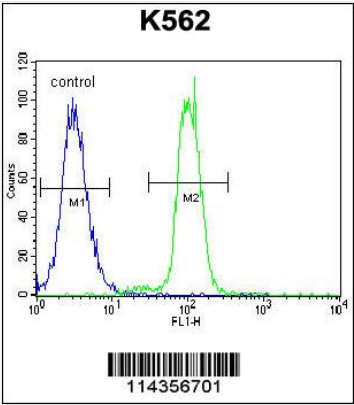
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284078	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot, ELISA, Immunofluorescence

PRODUCT SYNONYMS

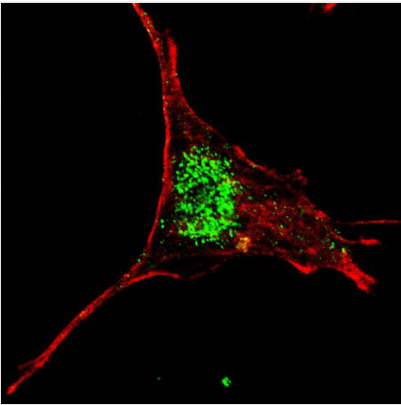
KLF4; Polyclonal Antibody; KLF4 Antibody (C-term); Krueppel-like factor 4; Epithelial zinc finger protein EZF; Gut-enriched krueppel-like factor; EZF; GKLF; anti-KLF4 antibody

PRODUCT SPECIFICATIONS

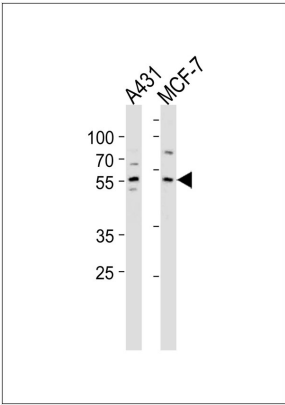
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KLF4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 394-421 amino acids from the C-terminal region of human KLF4.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.48 (varies by lot)
Sequence Positions	394-421
Sequence Length	479
Applicable Applications for anti-KLF4 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
KLF4 Antibody (C-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)
Fluorescent confocal image of SY5Y cells stained with AAA284078 KLF4 (C-term) antibody. SY5Y cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min), then incubated with AAA284078 KLF4 (C-term) primary antibody (1:200, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (5.25 uM, 25 min). KLF4 immunoreactivity is localized very specifically to the nuclei of the SY5Y cells.



WB (Western Blot)
KLF4 Antibody (C-term) western blot analysis in A431, MCF-7 cell line lysates (35ug/lane). This demonstrates the KLF4 antibody detected the KLF4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-KLF4 antibody	KLF4 is a transcription factor which acts as both an activator and repressor. Binds the CACCC core sequence. Binds to multiple sites in the 5'-flanking region of its own gene and can activate its own transcription. 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.
Product Categories/Family for anti-KLF4 antibody	Crown Antibodies; Cancer; Cardiovascular; Immunology
References	Guan, H., et al. Blood 116(9):1469-1478(2010) Wong, C.W., et al. Stem Cells 28(9):1510-1517(2010) Ohnesorge, N., et al. J. Biol. Chem. 285(34):26199-26210(2010) Cekanova, M., et al. Eur. J. Pharmacol. 637 (1-3), 30-37 (2010) : Yori, J.L., et al. J. Biol. Chem. 285(22):16854-16863(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	194248077
NCBI GeneID	9314

NCBI Accession #	NP_004226.3
NCBI GenBank Nucleotide #	NM_004235.4
UniProt Accession #	O43474; P78338; Q5T3J8; Q5T3J9; Q8N717; Q9UNP3; B2R8S4; B3KT79; L0R3I6; L0R4N5
Molecular Weight	54671
NCBI Official Full Name	Krueppel-like factor 4
NCBI Official Synonym Full Names	Kruppel-like factor 4 (gut)
NCBI Official Symbol	KLF4
NCBI Official Synonym Symbols	EZF; GKLF
NCBI Protein Information	Krueppel-like factor 4
UniProt Protein Name	Krueppel-like factor 4
UniProt Gene Name	KLF4
UniProt Synonym Gene Names	EZF; GKLF
UniProt Entry Name	KLF4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/klf4-antibody-flow-cytometry-western-blot-immunofluorescence-elisa/284078>