

Rabbit KLF4 Polyclonal Antibody | anti-KLF4 antibody

KLF4 Antibody

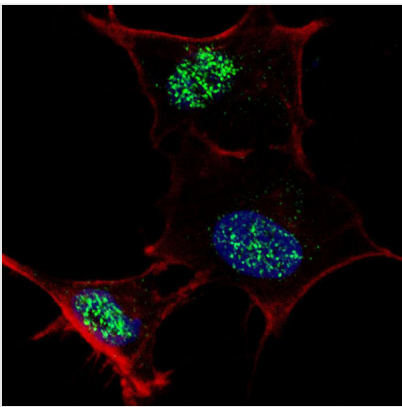
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289331	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

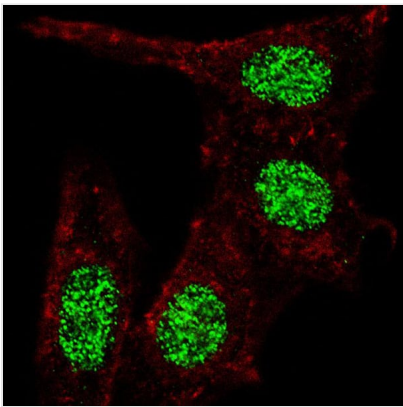
KLF4; Polyclonal Antibody; KLF4 Antibody; Krueppel-like factor 4; Epithelial zinc finger protein EZF; Gut-enriched krueppel-like factor; EZF; GKLF; anti-KLF4 antibody

PRODUCT SPECIFICATIONS

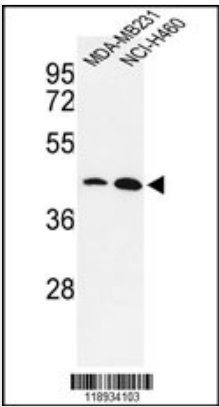
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KLF4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 481-504 amino acids from human KLF4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.42 (varies by lot)
Sequence Positions	481-504
Sequence Length	63
Applicable Applications for anti-KLF4 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
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.



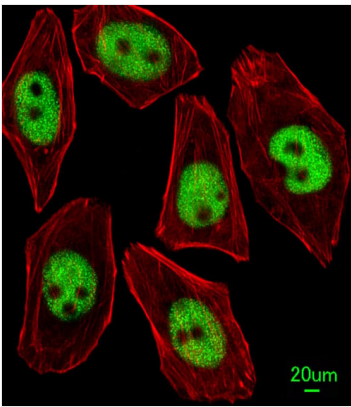
IF (Immunofluorescence)
Fluorescent confocal image of SY5Y cells stained with AAA289331 KLF4 (S457) antibody. SY5Y cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min), then incubated with AAA289331 KLF4 (S457) primary antibody (1:100, 2 h at room temperature). For secondary 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). Note the highly specific localization of the phosphorylated KLF4 immunoreactivity to the nuclei.



IF (Immunofluorescence)
Fluorescent confocal image of HeLa cells stained with AAA289331 KLF4 (S457) antibody. HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min), then incubated with AAA289331 KLF4 (S457) primary antibody (1:100, 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). Note the highly specific localization of the phosphorylated KLF4 immunoreactivity to the nuclei but not the cytoplasm.



WB (Western Blot)
Western blot analysis of KLF4-S457 in MDA-MB231, NCI-H460 cell line lysates (35ug/lane). KLF4 (arrow) was detected using the purified Pab.



IF (Immunofluorescence)
Immunofluorescent analysis of U251 cells, using KLF4 Antibody. AAA289331 was diluted at 1:25 dilution. Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Dylight Fluor 554 (red) conjugated Phalloidin (red).

ADDITIONAL INFORMATION

Related Product Information for anti-KLF4 antibody	Kr
Product Categories/Family for anti-KLF4 antibody	Crown Antibodies; Cancer; Cardiovascular; Developmental Biology; Neuroscience; Signal Transduction
References	Alder,J.K., J. Immunol. 180 (8), 5645-5652 (2008) Natesampillai,S., Am. J. Physiol. Endocrinol. Metab. 294 (2), E385-E391 (2008) Evans,P.M., J. Biol. Chem. 282 (47), 33994-34002 (2007) Behr,R., Mol. Hum. Reprod. 13 (11), 815-820 (2007)

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-immunofluorescence-western-blot-elisa/289331>