

KLF4 recombinant antibody

KLF4 Antibody

CATALOG # AAA243832	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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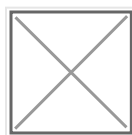
PRODUCT SYNONYMS

KLF4; Monoclonal Recombinant Antibody; KLF4 Antibody; Krueppel-like factor 4 (Epithelial zinc finger protein EZF) (Gut-enriched krueppel-like factor); EZF GKLF; KLF4 recombinant antibody

PRODUCT SPECIFICATIONS

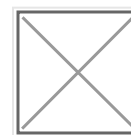
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	3A1
Purity/Purification	Affinity-chromatography
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, PH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Applicable Applications for KLF4 recombinant antibody	IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antibody Type	Recombinant Antibody
Conjugation	Non-conjugated
Immunogen	A synthesized peptide derived from human KLF4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitating KLF4 in Hela whole cell lysate Lane 1: Rabbit control IgG instead of in Hela whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: Hela whole cell lysate?500ug? Lane 3: Hela whole cell lysate (10ug)



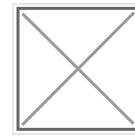
IF (Immunofluorescence)

Immunofluorescence staining of Hela Cells at 1?50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG ?H+L?.



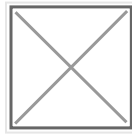
IHC (Immunohistochemisry)

IHC image diluted at 1:100 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



IHC (Immunohiostchemistry)

IHC image diluted at 1:100 and staining in paraffin-embedded human small intestine tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



WB (Western Blot)

Western BlotPositive WB detected in: Hela whole cell lysate, 293T whole cell lysate, PC-3 whole cell lysate, MCF-7 whole cell lysate, A549 whole cell lysate, U87 whole cell lysate, Brain tissueAll lanes: KLF4 antibody at 1:1500SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 55, 52, 46, 13, 7 kDaObserved band size: 55 kDa

ADDITIONAL INFORMATION

Related Product Information for KLF4 recombinant antibody	Transcription factor; can act both as activator and as repressor. Binds the 5'-CACCC-3' core sequence. Binds to the promoter region of its own gene and can activate its own transcription. Regulates the expression of key transcription factors during embryonic development. Plays an important role in maintaining embryonic stem cells, and in preventing their differentiation. 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. Contributes to the down-regulation of p53/TP53 transcription.
Product Categories/Family for KLF4 recombinant antibody	Epigenetics and Nuclear Signaling ; Cancer ; Cardiovascular ; Developmental biology ; Stem cells

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	51kDa
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; gut-enriched krueppel-like factor; epithelial zinc finger protein EZF; endothelial Kruppel-like zinc finger protein
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://stage.aaabiotech.com/monoclonal/klf4-recombinant-antibody-clone-3a1-immunoprecipitation-immunofluorescence-immunohistochemistry-western-blot-elisa/243832>