

Rabbit KLF9 Polyclonal Antibody | anti-KLF9 antibody

KLF9 Antibody (N-term)

CATALOG # AAA289197	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse, Pig, Rat)	APPLICATIONS Immunofluorescence, ELISA, Western Blot
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PRODUCT SYNONYMS

KLF9; Polyclonal Antibody; KLF9 Antibody (N-term); Krueppel-like factor 9; Basic transcription element-binding protein 1; BTE-binding protein 1; GC-box-binding protein 1; Transcription factor BTEB1; BTEB; BTEB1; anti-KLF9 antibody

PRODUCT SPECIFICATIONS

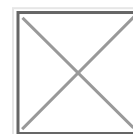
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KLF9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 29-57 amino acids from the N-terminal region of human KLF9.
Purity/Purification	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.
Sequence Positions	29-57
Applicable Applications for anti-KLF9 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Cellular location	nucleus
Tissue location	Epidermis (at protein level)
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



Application Data

Fluorescent confocal image of U251 cell stained with KLF9 Antibody(N-term). U251 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with KLF9 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). KLF9 immunoreactivity is localized to vesicles and nucleus significantly.



Application Data

KLF9 Antibody (N-term) western blot analysis in WiDr cell line lysates (35 µg/lane). This demonstrates the KLF9 antibody detected the KLF9 protein (arrow).

**Application Data**

Anti-KLF9 Antibody (N-term) at 1:2000 dilution+ U-87 MG whole cell lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 27 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

**Application Data**

All lanes : Anti-KLF9 Antibody (N-term) at 1:1000 dilution Lane 1: C6 whole cell lysate Lane 2: U-87 MG whole cell lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 27 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-KLF9 antibody	The protein encoded by this gene is a transcription factor that binds to GC box elements located in the promoter. Binding of the encoded protein to a single GC box inhibits mRNA expression while binding to tandemly repeated GC box elements activates transcription.
References	Du, H., et al. Biol. Reprod. 83(2):205-211(2010) Pabona, J.M., et al. Endocrinology 151(7):3396-3406(2010) Gamper, I., et al. Exp. Hematol. 37(5):539-548(2009) Kang, L., et al. Pathol. Int. 58(6):334-338(2008) Simmen, F.A., et al. Reprod. Biol. Endocrinol. 6, 41 (2008) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557375
NCBI GeneID	687
NCBI Accession #	NP_001197.1
NCBI GenBank Nucleotide #	NM_001206.2
UniProt Accession #	Q13886 ; Q16196 ; B2R943
NCBI Official Full Name	Krueppel-like factor 9
NCBI Official Synonym Full Names	Kruppel-like factor 9
NCBI Official Symbol	KLF9
NCBI Official Synonym Symbols	BTEB; BTEB1
NCBI Protein Information	Krueppel-like factor 9
UniProt Protein Name	Krueppel-like factor 9
UniProt Gene Name	KLF9
UniProt Synonym Gene Names	BTEB; BTEB1; BTE-binding protein 1
UniProt Entry Name	KLF9_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/polyclonal/klf9-antibody-immunofluorescence-western-blot-elisa/289197>