

Rabbit KLF5 Polyclonal Antibody | anti-KLF5 antibody

KLF5 Antibody (C-term)

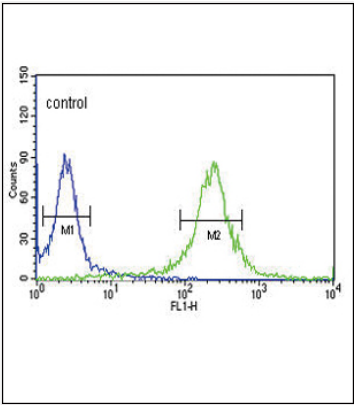
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289995	Rabbit	Human (Predicted Reactivity: Mouse)	Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

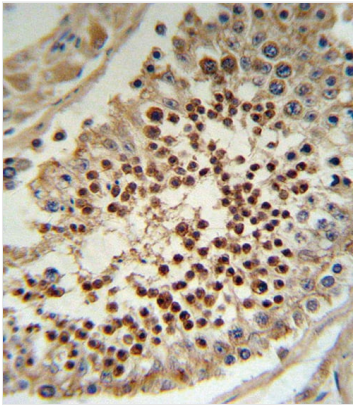
KLF5; Polyclonal Antibody; KLF5 Antibody (C-term); Krueppel-like factor 5; Basic transcription element-binding protein 2; BTE-binding protein 2; Colon krueppel-like factor; GC-box-binding protein 2; Intestinal-enriched krueppel-like factor; Transcription factor BTEB2; BTEB2; CKLF; IKLF; anti-KLF5 antibody

PRODUCT SPECIFICATIONS

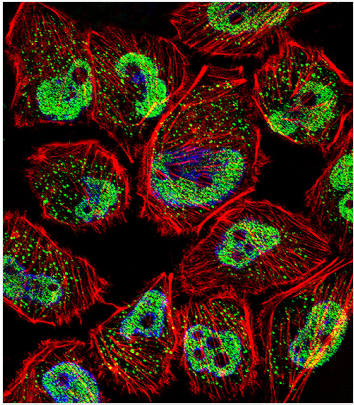
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KLF5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 341-370 amino acids from the C-terminal region of human KLF5.
Purity/Purification	Purified 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: 2 (varies by lot)
Sequence Positions	341-370
Sequence Length	366
Applicable Applications for anti-KLF5 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
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.



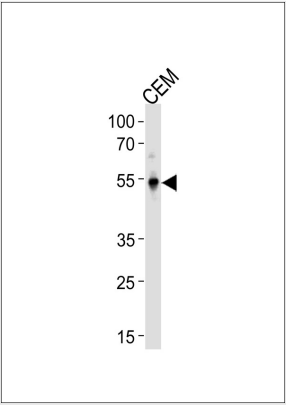
FCM/FACS (Flow Cytometry)
KLF5 Antibody (C-term) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemisry)
KLF5 Antibody (C-term) IHC analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the KLF5 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



IF (Immunofluorescence)
Fluorescent confocal image of U251 cell stained with KLF5 Antibody (C-term). U251 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with KLF5 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree).Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). KLF5 immunoreactivity is localized to vesicles and Nucleus significantly.



WB (Western Blot)
KLF5 Antibody (C-term) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the KLF5 antibody detected the KLF5 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-KLF5 antibody	KLF5 is a member of the Kruppel-like factor subfamily of zinc finger proteins. Since the protein localizes to the nucleus and binds the epidermal growth factor response element, the protein is thought to be a transcription factor.
Product Categories/Family for anti-KLF5 antibody	Crown Antibodies; Cancer; Cardiovascular; Cell Biology; Signal Transduction
References	Guo,P., Dong,X.Y. J. Biol. Chem. 284 (10), 6071-6078 (2009) Lee,M.Y., Moon,J.S. Biochem. J. 417 (1), 313-322 (2009) Du,J.X., Bialkowska,A.B. J. Biol. Chem. 283 (46), 31991-32002 (2008) Miyamoto,S., Suzuki,T. Mol. Cell. Biol. 23 (23), 8528-8541 (2003) Shi,H., Zhang,Z. Nucleic Acids Res. 27 (24), 4807-4815 (1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	14251215
NCBI GeneID	688

NCBI Accession #	NP_001721.2
NCBI GenBank Nucleotide #	NM_001730.4
UniProt Accession #	Q13887; Q9UHP8; A2TJX0; L0R3U5; L0R4T9
Molecular Weight	50792
NCBI Official Full Name	Krueppel-like factor 5 isoform 1
NCBI Official Synonym Full Names	Kruppel-like factor 5 (intestinal)
NCBI Official Symbol	KLF5
NCBI Official Synonym Symbols	CKLF; IKLF; BTEB2
NCBI Protein Information	Krueppel-like factor 5
UniProt Protein Name	Krueppel-like factor 5
UniProt Gene Name	KLF5
UniProt Synonym Gene Names	BTEB2; CKLF; IKLF; BTE-binding protein 2
UniProt Entry Name	KLF5_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/klf5-antibody-western-blot-immunofluorescence-flow-cytometry-immunohistochemistry-elisa/289995>