SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-KLF10 Polyclonal Antibody

Catalog Number: SLA0029

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
GeneID:	7071
SWISS:	Q13118
Target:	KLF10
Immunogen:	KLH conjugated synthetic peptide derived from human TIEG1
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	ICC/IF (1:50-200) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	53 kDa
Background:	KLF10 is a transcription factor that plays a role in the regulation of cell growth. It binds to the consensus sequence 5'-GGTGTG-3'. KLF10 plays a role in the response to TGFbeta (through the TGFbeta/Smad signalling pathway) and estrogen. In both cases, KLF10 induces or repressed gene transcription to enhance the TGFbeta/Smad signalling pathway, as well as other pathways, to regulate cell proliferation, differentiation and apoptosis. KLF10 has been shown to have a role in skeletal disease (osteopenia/osteoporosis), hypertrophic cardiomyopathy, and breast and prostate cancer.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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[VALIDATION IMAGES]

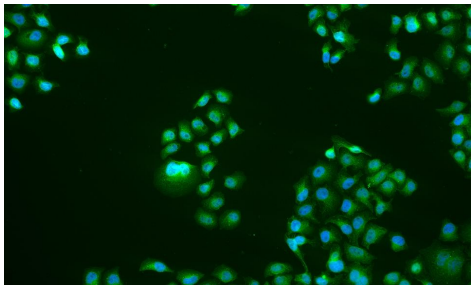


Figure 1. Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (KLF10) polyclonal Antibody, Unconjugated (SLA0029) 1:25, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.
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