SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-KLF13 antibody

Catalog Number: SL1577R

FOR RESEARCH USE ONLY

[DATASHEET]

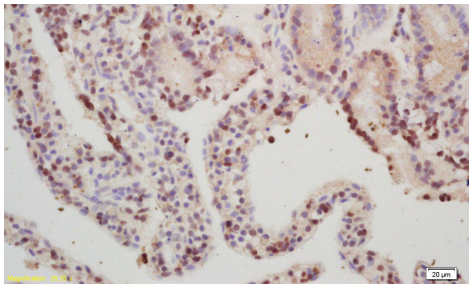
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	KLF13
Immunogen:	KLH conjugated synthetic peptide derived from human KLF13: 197-249/288
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog,Pig,Cow,Rabbit)
Predicted MW.:	31kDa
Subcellular Location:	The nucleus
Background:	Kruppel-like factor 13 (KLF13) belongs to a family of transcription factors that contain three classical zinc finger DNA binding domains consisting of a zinc atom tetrahedrally coordinated by two cysteines and two histidines (C2H2 motif). These transcription factors bind to GC rich sequences and related GT and CACCC boxes. KLF13 appears to be an important component of the transcription network required for heart development and cholesterol homeostasis. **Function:** Represses transcription by binding to the BTE site, a GC-rich DNA element, in competition with the activator SP1. It also represses transcription by interacting with the corepressor Sin3A and HDAC1. Activates RANTES expression in T-cells. **Subcellular Location:** Nucleus. **Tissue Specificity:** Ubiquitous.

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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	Post-translational modifications: Phosphorylated. **Similarity:** Belongs to the Sp1 C2H2-type zinc-finger protein family. Contains 3 C2H2-type zinc fingers. **Database links:** **Entrez Gene:** 51621 Human **Entrez Gene:** 50794 Mouse Omim: 605328 Human **SwissProt:** Q9Y2Y9 Human **SwissProt:** Q9JJZ6 Mouse **Unigene:** 525752 Human **Unigene:** 240473 Mouse

[VALIDATION IMAGES]



Tissue/cell: mouse intestine tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-KLF13 Polyclonal Antibody, Unconjugated(SL1577R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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