SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-KLF13 antibody

SL1577R

Product Name:	KLF13
Chinese Name:	肠道内富含的Kruppel样因子13
Alias:	Basic transcription element binding protein 3; BTE binding protein 3; BTEB3; C2 H2 zinc finger protein; FKLF 2; FKLF2; Kruppel like factor 13; Novel Sp1 like zinc finger transcription factor; NSLP1; RANTES factor of late activated T lymphocytes 1; RFLAT-1; RFLAT 1; RFLAT1; Transcription factor NSLP1; KLF13_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	31kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human KLF13:197-249/288
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

Post-translational modifications:
Phosphorylated.

Similarity:
Belongs to the Sp1 C2H2-type zinc-finger protein family.
Contains 3 C2H2-type zinc fingers.

SWISS:
Q9Y2Y9

Gene ID:
51621

Database links:

Entrez Gene: 51621Human

Entrez Gene: 50794Mouse

Omim: 605328Human

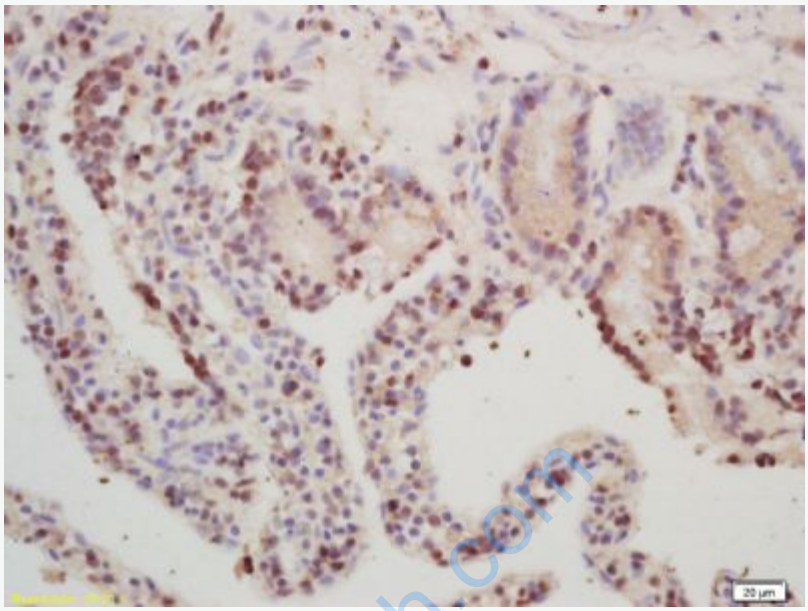
SwissProt: Q9Y2Y9Human

SwissProt: Q9JJZ6Mouse

Unigene: 525752Human

Unigene: 240473Mouse

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

Picture:	 Tissue/cell: mouse intestine tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, 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