



Rabbit Anti-KLF3/ZNF741 antibody

SL8854R

Product Name:	KLF3/ZNF741
Chinese Name:	Zinc finger protein741抗体
Alias:	Basic krueppel-like factor; Basic Kruppel like factor; BKLF3; CACCC box binding protein BKLF; CACCC-box-binding protein BKLF; Klf3; KLF3_HUMAN; Krueppel-like factor 3; Kruppel like factor 3 (basic); MGC48279; TEF-2; TEF2; Transcript ch138; Zinc finger protein 741; ZNF741.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	39kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human KLF3/ZNF741:251-345/345
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:	KLF3 is a transcriptional repressor and activator. It also binds the GT-box of cyclin D1 promoter and mediates cell cycle progression at G phase as a downstream target of focal adhesion kinase (FAK). Ubiquitously expressed. Kruppel-like factor proteins all contain a characteristic C-terminal DNA binding domain containing 3 Kruppel-like zinc fingers,

and they all recognize CACCC and GC boxes present in promoters and enhancers.

Function:

Binds to the CACCC box of erythroid cell-expressed genes. May play a role in hematopoiesis.

Subcellular Location:

Nucleus.

Post-translational modifications:

Sumoylated by SUMO1. Sumoylation is enhanced by PIAS1, PIAS2alpha and PIAS2beta, and PIAS4, but not by Pc2. Enhances transcriptional repression, but has no effect on DNA binding. Sumoylation on Lys-198 is the major site.

Similarity:

Belongs to the krueppel C2H2-type zinc-finger protein family. Contains 3 C2H2-type zinc fingers.

SWISS:

P57682

Gene ID:

488836

Database links:

[Entrez Gene: 488836](#) Human

[Entrez Gene: 530358](#) Cow

[Entrez Gene: 51274](#) Human

[Entrez Gene: 16599](#) Mouse

[Entrez Gene: 100174960](#) Pig

[Entrez Gene: 114845](#) Rat

[Olim: 609392](#) Human

[SwissProt: P57682](#) Human

[SwissProt: Q60980](#) Mouse

[Unigene: 298658](#) Human

[Unigene: 392759](#) Mouse

[Unigene: 439720](#) Mouse

[Unigene: 23326](#) Rat

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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