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Rabbit Anti-KLF7 antibody

SL11865R

Product Name:	KLF7
Chinese Name:	KLF样转录因子7抗体
Alias:	KLF7; KLF7_HUMAN; Krueppel like factor 7; Krueppel-like factor 7; Kruppel like factor 7 ; Ubiquitous krueppel like factor; Ubiquitous krueppel-like factor; UKLF.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=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:	33kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human KLF7:131-210/302
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:	KLF7 is a transcriptional activator that belongs to the Krüppel C2H2-type zinc finger protein family. KLF7 targets promotor regions bearing CACCC elements in order to regulate transcription. It is believed that KLF7 is an important element for regulation of differentiation and the development of nervous systems. Specifically, increased expression of KLF7 is associated with neuronal precursors exiting the cell cycle and beginning to differentiate. Overexpression of KLF7 can lead to cell cycle arrest and a

decrease in DNA synthesis. Also, KLF7 is thought to regulate the expression of Trk A, the receptor for nerve growth factor, which is required for the normal growth and maturation of neurons. KLF7 is a widely expressed protein with highest expression found in brain and nervous tissue.

Function:
Transcriptional activator. Binds in vitro to the CACCC motif of the beta-globin promoter and to the SP1 recognition sequence.

Subcellular Location:
Nucleus.

Tissue Specificity:
Ubiquitous and highly expressed in brain and spinal cord in the adult, and in kidney and brain in the embryo.

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

SWISS:
O75840

Gene ID:
8609

Database links:

Entrez Gene: 8609Human

Entrez Gene: 93691Mouse

Entrez Gene: 363243Rat

Omim: 604865Human

SwissProt: O75840Human

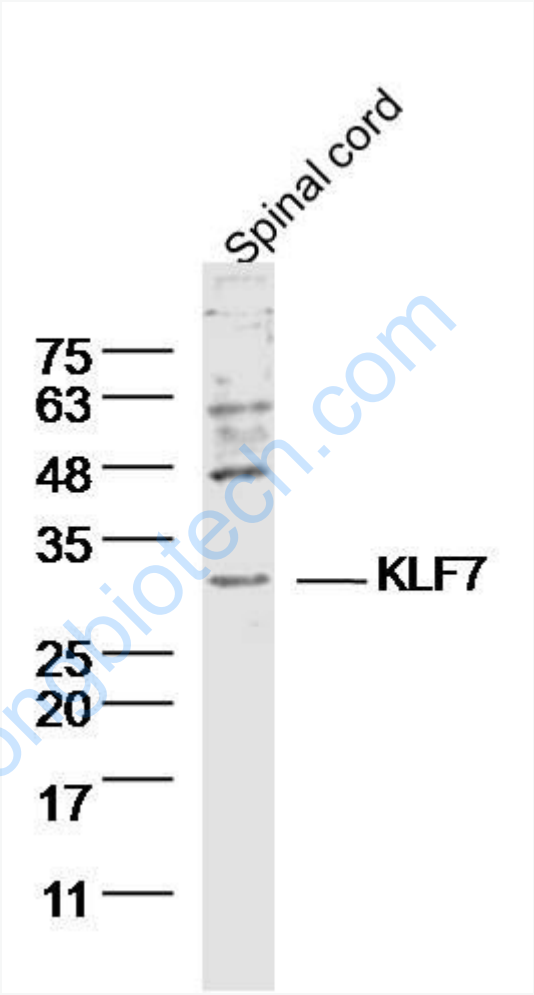
SwissProt: Q99JB0Mouse

Unigene: 471221Human

Unigene: 29466Mouse

Unigene: 458200Mouse

Unigene: 102325Rat

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Spinal code (Mouse) Lysate at 40 ug Primary: Anti-KLF7 (SL11865R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 33 kD Observed band size: 33 kD