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Rabbit Anti-ZBTB4 antibody

SL13574R

Product Name:	ZBTB4
Chinese Name:	Zinc finger protein903抗体
Alias:	KAISO-L1; KAISO-like zinc finger protein 1; KIAA1538; ZBTB4; ZBTB4_HUMAN; Zinc finger and BTB domain containing 4; Zinc finger and BTB domain-containing protein 4; ZNF903.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,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:	105kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ZBTB4/ZNF903:301-400/1013
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:	Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. The majority of zinc-finger proteins contain a Krüppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. ZBTB4 (zinc finger and BTB domain containing

4), also known as KAISO-L1 (KAISO-like zinc finger protein 1), is a 1,013 amino acid nuclear protein that is involved in transcriptional regulation. ZBTB4 contains one BTB (POZ) domain, six C2H2-type zinc fingers and is phosphorylated and downregulated by HIPK2. The gene encoding ZBTB4 maps to human chromosome 17, which comprises over 2.5% of the human genome and encodes over 1,200 genes.

Function:
May be involved in transcriptional regulation.

Subunit:
Interacts with HIPK2.

Subcellular Location:
Nucleus.

Post-translational modifications:
Phosphorylated by HIPK2. This phosphorylation reduces stability and triggers ZBTB4 protein degradation in response to DNA damage.

Similarity:
Contains 1 BTB (POZ) domain.
Contains 6 C2H2-type zinc fingers.

SWISS:
Q9P1Z0

Gene ID:
57659

Database links:

Entrez Gene: 57659Human

Entrez Gene: 75580Mouse

Entrez Gene: 287441Rat

Omim: 612308Human

SwissProt: Q9P1Z0Human

Unigene: 35096Human

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