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

Rabbit Anti-ZBTB4/Cy5 Conjugated antibody

SL13574R-Cy5

Product Name	Anti-ZBTB4/Cy5
Chinese Name	Cy5 标记的 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.
Research Area	Cell biology transcriptional regulatory factor Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Applications	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	105kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human ZBTB4/ZNF903
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** 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.

Database links:

Entrez Gene: 57659 Human

Entrez Gene: 75580 Mouse

Entrez Gene: 287441 Rat

Omim: 612308 Human

SwissProt: Q9P1Z0 Human

Unigene: 35096 Human

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