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

[Marker Primary Antibody]

Rabbit Anti-ZBTB4/Biotin Conjugated antibody

Catalog Number: SL13574R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-ZBTB4/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human ZBTB4/ZNF903
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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.
Applications:	WB=1000-10000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:50-200 IF=1:100-500 ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Background:	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

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

	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.