

## Rabbit Anti-ZBTB4/AP Conjugated antibody

SL13574R-AP

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|--------------------------|--|
| <b>Product Name</b>      | Anti-ZBTB4/AP  |
| <b>Chinese Name</b>      | 碱性磷酸酶（AP）标记的 Zinc finger protein903 抗体   |
| <b>Alias</b>             | 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.  |
| <b>Research Area</b>     | Cell biology transcriptional regulatory factor Epigenetics   |
| <b>Immunogen Species</b> | Rabbit   |
| <b>Clonality</b>         | Polyclonal   |
| <b>React Species</b>     | (predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)<br>WB=1000-10000,IHC-P=1:100-500,IHC-F=1:100-500,ELISA=1:500-5000   |
| <b>Applications</b>      | not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.  |
| <b>Molecular weight</b>  | 105kDa   |
| <b>Form</b>              | Lyophilized or Liquid  |
| <b>Concentration</b>     | 1mg/ml   |
| <b>immunogen</b>         | KLH conjugated synthetic peptide derived from human ZBTB4/ZNF903   |
| <b>Lsotype</b>           | IgG  |
| <b>Purification</b>      | affinity purified by Protein A   |
| <b>Storage Buffer</b>    | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.<br>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.   |
| <b>Storage</b>           |  |
| <b>Product Detail</b>    | <b>background:</b><br>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

[Omid: 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.