

A12900

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# Kaiso/ZBTB33 Rabbit pAb

Catalog No.: A12900

## Basic Information

### Observed MW

74-90kDa

### Calculated MW

74kDa

### Category

Polyclonal Antibody

### Applications

WB,ChIP,ELISA

### Cross-Reactivity

Human,Mouse,Rat

## Background

This gene encodes a transcriptional regulator with bimodal DNA-binding specificity, which binds to methylated CGCG and also to the non-methylated consensus KAISO-binding site TCCTGCNA. The protein contains an N-terminal POZ/BTB domain and 3 C-terminal zinc finger motifs. It recruits the N-CoR repressor complex to promote histone deacetylation and the formation of repressive chromatin structures in target gene promoters. It may contribute to the repression of target genes of the Wnt signaling pathway, and may also activate transcription of a subset of target genes by the recruitment of catenin delta-2 (CTNND2). Its interaction with catenin delta-1 (CTNND1) inhibits binding to both methylated and non-methylated DNA. It also interacts directly with the nuclear import receptor Importin- $\alpha$ 2 (also known as karyopherin alpha2 or RAG cohort 1), which may mediate nuclear import of this protein. Alternatively spliced transcript variants encoding the same protein have been identified.

## Recommended Dilutions

**WB** 1:1000 - 1:2000

**ELISA** Recommended starting concentration is 1  $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements.

**ChIP** 5 $\mu$ g antibody for 10 $\mu$ g-15 $\mu$ g of Chromatin

## Immunogen Information

### Gene ID

10009

### Swiss Prot

Q86T24

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 523-672 of human Kaiso/Kaiso/ZBTB33 (NP\_006768.1).

### Synonyms

ZNF348; ZNF-kaiso; Kaiso/ZBTB33

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

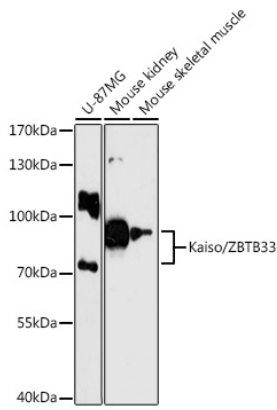
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Contact



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## Validation Data



Western blot analysis of various lysates using Kaiso/ZBTB33 Rabbit pAb (A12900) at 1:3000 dilution.

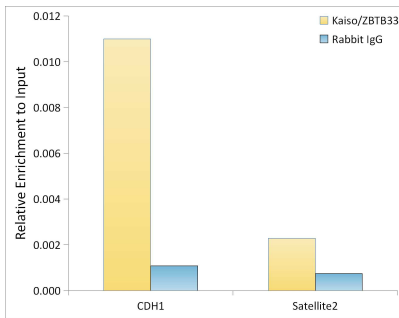
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

Exposure time: 90s.



Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Kaiso/ZBTB33 antibody (A12900) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.