

Kaiso/ZBTB33 Rabbit pAb

Catalog No.: A12900 **1 Publications**

Basic Information

Observed MW

74-90kDa

Calculated MW

74kDa

Category

Primary antibody

Applications

WB,ELISA,ChIP

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- β 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 μ g/mL. Please optimize the concentration based on your specific assay requirements.

ChIP 5 μ g antibody for 10 μ g-15 μ 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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

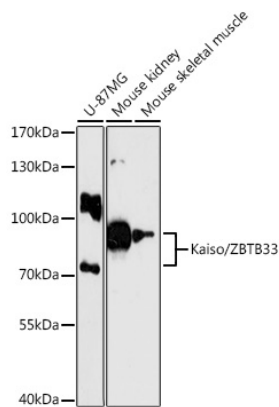
Affinity purification

Storage

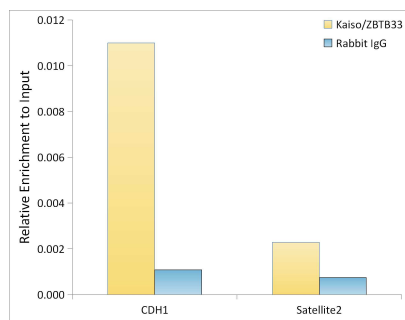
Store at -20°C. Avoid freeze / thaw cycles.

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

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.