

Datasheet for ABIN6150379
anti-ZBTB33 antibody (AA 523-672)



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2 Images

Overview

Quantity:	100 µL
Target:	ZBTB33
Binding Specificity:	AA 523-672
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZBTB33 antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 523-672 of human Kaiso/Kaiso/ZBTB33 (NP_006768.1).
Sequence:	PCRYCEKVFP LAEYRTKHEI HHTGERRYQC LACGKSFINY QFMSSHIKSV HSQDPSGDSK LYRLHPCRSL QIRQYAYLSD RSSTIPAMKD DGIGYKVD TG KEPPVGT TTS TQNKPM TWED IFIQQENDSI FKQNVTDGST EFEFIIPESY
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	ZBTB33
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Target Details

Alternative Name: ZBTB33 ([ZBTB33 Products](#))

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-alpha2 (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.,ZBTB33,ZNF-kaiso,ZNF348,Epigenetics & Nuclear Signaling,ZBTB33

Molecular Weight: 74 kDa

Gene ID: 10009

UniProt: [Q86T24](#)

Application Details

Application Notes: WB,1:1000 - 1:2000,ChIP,1:50 - 1:200

Comment: HIGH QUALITY

Restrictions: For Research Use only

Handling

Format: Liquid

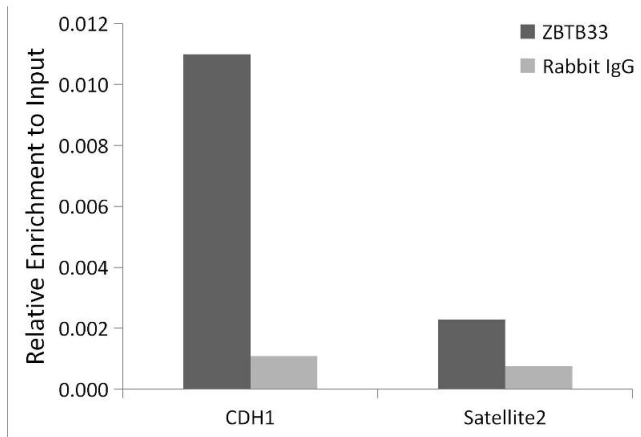
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

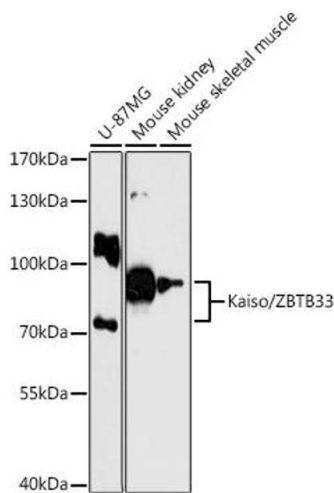
Storage: -20 °C

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



Chromatin Immunoprecipitation

Image 1. Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Kaiso/ZBTB33 antibody 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.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Kaiso/Kaiso/ZBTB33 antibody at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.