

A3770

Leader in Biomolecular Solutions for Life Science



Kaiso/ZBTB33 Rabbit mAb

Catalog No.: A3770

Recombinant

Basic Information

Observed MW

80kDa

Calculated MW

74kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB,IF,ICC,IP,ELISA

Cross-Reactivity

Human,Rat

CloneNo number

ARC2086

Recommended Dilutions

WB 1:500 - 1:1000

IF/ICC 1:50 - 1:200

IP 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

 www.abclonal.com

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- α 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.

Immunogen Information

Gene ID

10009

Swiss Prot

Q86T24

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

ZNF348; ZNF-kaiso; Kaiso/ZBTB33

Product Information

Source

Rabbit

Isotype

IgG

Purification

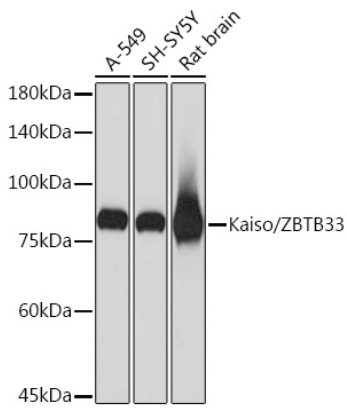
Affinity purification

Storage

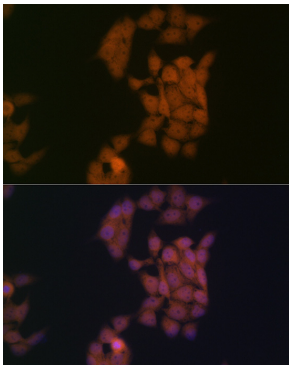
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

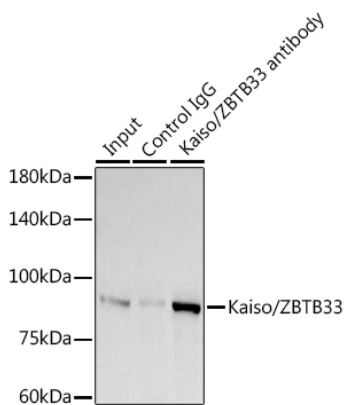
Validation Data



Western blot analysis of various lysates using Kaiso/ZBTB33 Rabbit mAb (A3770) at 1:1000 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 Basic Kit (RM00020).
Exposure time: 1s.



Immunofluorescence analysis of HeLa cells using Kaiso/ZBTB33 Rabbit mAb (A3770) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 300 µg extracts of A-549 cells using 3 µg Kaiso/ZBTB33 antibody (A3770). Western blot was performed from the immunoprecipitate using Kaiso/ZBTB33 antibody (A3770) at a dilution of 1:1000.