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KAISO (vPair™) Antibodies

Cat#: R0175-vp

Lot#: Refer to vial

Predicted I observed M.W.: 74 I 110 kDa

Uniprot ID: Q8BN78

Application: WB

Quantity: 50 ul KAISO (N) (R0175-1) Rabbit Polyclonal Antibody &
50 ul KAISO (N2) (R0175-2) Rabbit Polyclonal Antibody

Product Introduction:

vPair™ antibodies represent a pair of fully characterized antibodies that recognize two different regions of a target protein. The product is developed by Abiocode to address whether the signal observed truly represents the protein of interest, an often encountered issue in antibody-based assays. The use of a pair of fully characterized vPair™ antibodies in the same assay can validate signal specificity since vPair™ antibodies recognize two independent epitopes of the same protein. Different sets of vPair™ antibodies are developed at Abiocode to work with specific applications, including antibody arrays, Western blot, IP-Western, ChIP, IHC, and FACS.

Background:

KAISO is also known as Zinc finger and BTB domain-containing protein 33, a transcriptional regulator with bimodal DNA-binding specificity. KAISO binds to methylated CpG dinucleotides in the consensus sequence 5'-CGCG-3' and also binds to the non-methylated consensus sequence 5'-CTGCNA-3'. KAISO can recruit the N-CoR repressor complex to promote histone deacetylation and the formation of repressive chromatin structures in target gene promoters. In contrast, KAISO may also activate transcription of a subset of target genes by the recruitment of CTNND2.

Other Names:

ZBTB33, ZNF348, Zinc finger and BTB domain-containing protein 33

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing 2 distinct N-terminal regions of mouse KAISO. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

For research use only. Not for therapeutic or diagnostic purposes.
Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

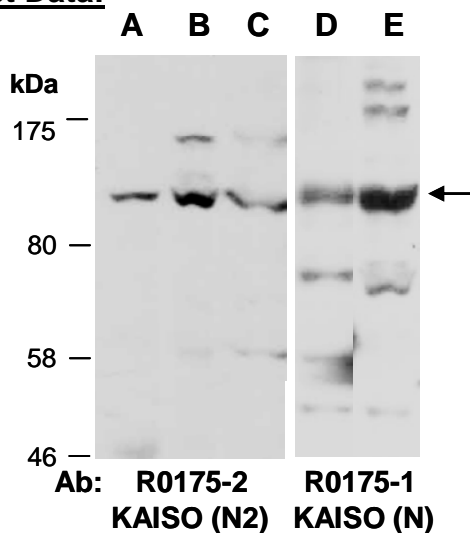


Fig 1. Western blot of total cell extracts from (A, D) mouse thymus, (B) human HeLa, (C, E) human Jurkat; using 2 independent Abs against 2 distinct regions of mouse KAISO at RT for 2 h.