KAISO Monoclonal Antibody

Catalog No	BYmab-06520
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	ZBTB33 KAISO ZNF348
Protein Name	Transcriptional regulator Kaiso (Zinc finger and BTB domain-containing protein 33)
Immunogen	Synthesized peptide derived from human protein . at AA range: 100-180
Specificity	KAISO Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	73kD
Cell Pathway	Nucleus . Cytoplasm . Also cytoplasmic in cells grown at high densities.
Tissue Specificity	Expressed in vascular endothelium.
Function	function:Transcriptional regulator with bimodal DNA-binding specificity. Binds to methylated CpG dinucleotides in the consensus sequence 5'-CGCG-3' and also binds to the non-methylated consensus sequence 5'-CTGCNA-3'. Recruits the N-CoR repressor complex to promote histone deacetylation and the formation of repressive chromatin structures in target gene promoters. May contribute to the repression of target genes of the Wnt signaling pathway. May also activate transcription of a subset of target genes by the recruitment of CTNND2.,induction:Induced in vascular endothelium by wounding. This effect is potentiated by prior laminar shear stress, which enhances wound closure.,similarity:Contains 1 BTB (POZ) domain.,similarity:Contains 3 C2H2-type zinc fingers.,subcellular location:Also cytoplasmic in cells grown at high densities.,subunit:Self-associates. Interacts with CTNND2 (By similarity).

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-α2 (also known as karyopherin alpha2 or RAG cohort 1), which may mediate nuclear impor
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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