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ZBTB4 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP17542c

Specification

ZBTB4 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9P1Z0

ZBTB4 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 57659

Other Names
Zinc finger and BTB domain-containing protein 4, KAISO-like zinc finger protein 1, KAISO-L1, ZBTB4, KIAA1538

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ZBTB4 Antibody (Center) Blocking Peptide - Protein Information

Name ZBTB4

Synonyms KIAA1538

Function
Transcriptional repressor with bimodal DNA-binding specificity. Represses transcription in a methyl-CpG-dependent manner. Binds with a higher affinity to methylated CpG dinucleotides in the consensus sequence 5'-CGCG-3' but can also bind to the non-methylated consensus sequence 5'-CTGCNA-3' also known as the consensus kaiso binding site (KBS). Can also bind specifically to a single methyl-CpG pair and can bind hemimethylated DNA but with a lower affinity compared to methylated DNA (PubMed:16354688). Plays a role in postnatal myogenesis, may be involved in the regulation of satellite cells self- renewal (By similarity).

Cellular Location
Nucleus. Chromosome. Note=Localizes to chromocenters

ZBTB4 Antibody (Center) Blocking Peptide - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

ZBTB4 Antibody (Center) Blocking Peptide - Images

ZBTB4 Antibody (Center) Blocking Peptide - Background

ZBTB4 may be involved in transcriptional regulation.

ZBTB4 Antibody (Center) Blocking Peptide - References

Sasai, N., et al. Nucleic Acids Res. 38(15):5015-5022(2010)Yamada, D., et al. Oncogene 28(27):2535-2544(2009)Weber, A., et al. EMBO J. 27(11):1563-1574(2008)Filion, G.J., et al. Mol. Cell. Biol. 26(1):169-181(2006)