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ZBTB16 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ZBTB16.
Catalog # AT4569a

Specification

ZBTB16 Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	Q05516
Other Accession	BC029812
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**74274**

ZBTB16 Antibody (monoclonal) (M01) - Additional Information

Gene ID 7704

Other Names
Zinc finger and BTB domain-containing protein 16, Promyelocytic leukemia zinc finger protein, Zinc finger protein 145, Zinc finger protein PLZF, ZBTB16, PLZF, ZNF145

Target/Specificity
ZBTB16 (AAH29812, 381 a.a. ~ 480 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
E~~N/A

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
ZBTB16 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

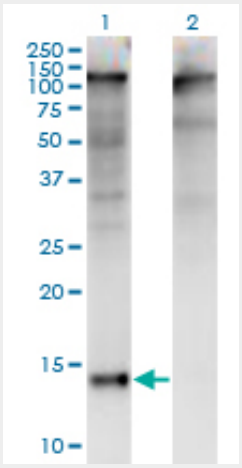
ZBTB16 Antibody (monoclonal) (M01) - Protocols

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

- Western Blot
- Blocking Peptides

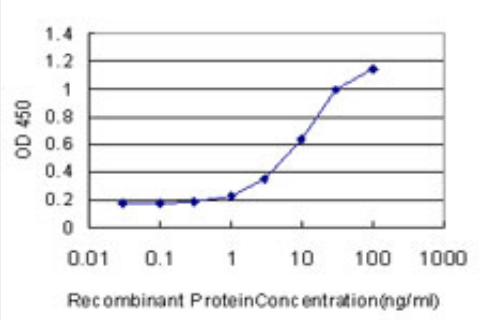
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ZBTB16 Antibody (monoclonal) (M01) - Images



Western Blot analysis of ZBTB16 expression in transfected 293T cell line by ZBTB16 monoclonal antibody (M01), clone 3A7.

Lane 1: ZBTB16 transfected lysate (Predicted MW: 11.11 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged ZBTB16 is approximately 1ng/ml as a capture antibody.

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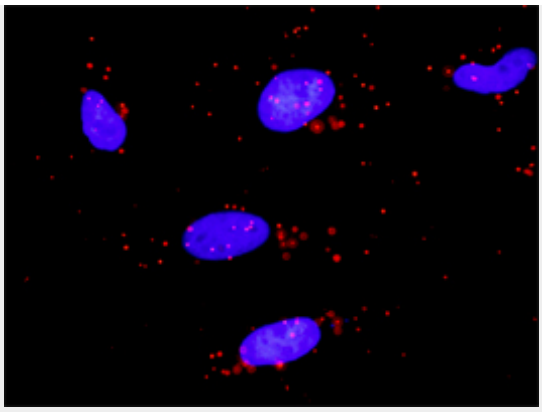

Proximity Ligation Analysis of protein-protein interactions between TRAF2 and ZBTB16 HeLa cells were stained with anti-TRAF2 rabbit purified polyclonal 1:1200 and anti-ZBTB16 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

ZBTB16 Antibody (monoclonal) (M01) - Background

This gene is a member of the Krueppel C2H2-type zinc-finger protein family and encodes a zinc finger transcription factor that contains nine Kruppel-type zinc finger domains at the carboxyl terminus. This protein is located in the nucleus, is involved in cell cycle progression, and interacts with a histone deacetylase. Specific instances of aberrant gene rearrangement at this locus have been associated with acute promyelocytic leukemia (APL). Alternate transcriptional splice variants have been characterized.

ZBTB16 Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Application of gene network analysis techniques identifies AXIN1/PDIA2 and endoglin haplotypes associated with bicuspid aortic valve. Wooten EC, et al. PLoS One, 2010 Jan 21. PMID 20098615.Generation of PLZF+ CD4+ T cells via MHC class II-dependent thymocyte-thymocyte interaction is a physiological process in humans. Lee YJ, et al. J Exp Med, 2010 Jan 18. PMID 20038602.The promyelocytic leukemia zinc-finger gene, PLZF, is frequently downregulated in malignant mesothelioma cells and contributes to cell survival. Cheung M, et al. Oncogene, 2010 Mar 18. PMID 20010871.