

**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	<a href="#">Q05516</a>
Other Accession	<a href="#">BC029812</a>
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.

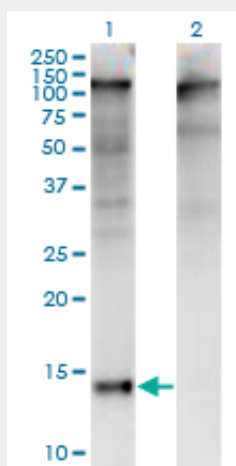
**ZBTB16 Antibody (monoclonal) (M01) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

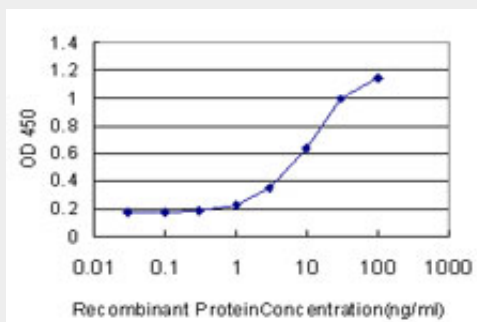
### ZBTB16 Antibody (monoclonal) (M01) - Images



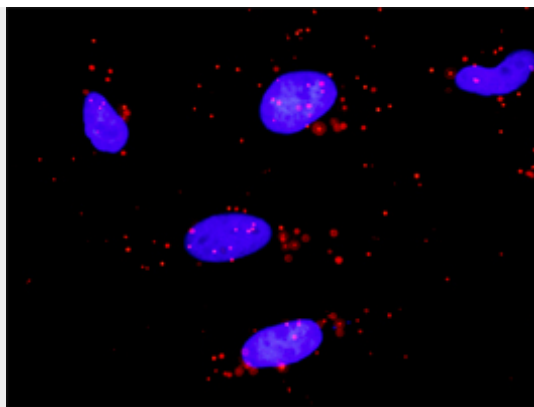
Western Blot analysis of ZBTB16 expression in transfected 293T cell line by ZBTB16 monoclonal antibody (M01), clone 3A7.

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.



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.