Datasheet for ABIN969465

anti-ZBTB16 antibody

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Overview

Quantity:	100 µL
Target:	ZBTB16
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human ZBTB16 expressed in E. coli.
Clone:	5B3
Isotype:	IgG1
Purification:	purified

Target Details

Target:	ZBTB16
Alternative Name:	ZBTB16 (ZBTB16 Products)
Background:	Description: 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).

Target Details

	Alternate transcriptional splice variants have been characterized. Tissue specificity: Within the hematopoietic system, PLZF is expressed in bone marrow, early myeloid cell lines and peripheral blood mononuclear cells. Also expressed in the ovary, and at lower levels, in the kidney and lung. Aliases: PLZF, ZNF145, ZBTB16
Molecular Weight:	74 kDa
Gene ID:	7704
HGNC:	7704
Pathways:	Positive Regulation of fat Cell Differentiation

Application Details

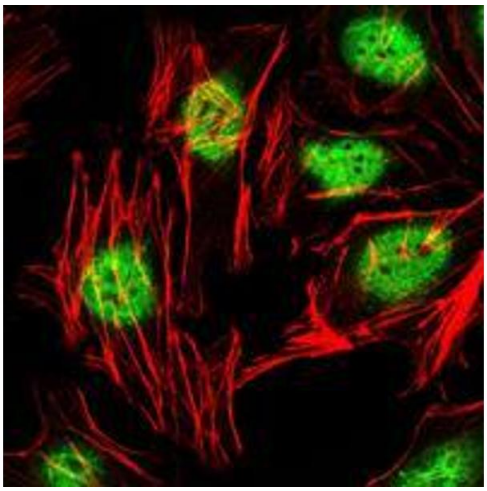
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

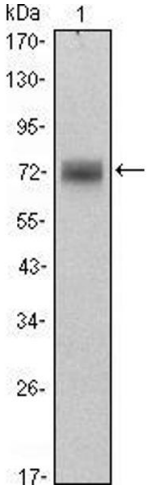
Publications

Product cited in:	Koc, Cimen, Kumcuoglu, Abu, Akpinar, Haque, Spremulli, Koc: "Identification and characterization of CHCHD1, AURKAIP1, and CRIF1 as new members of the mammalian mitochondrial ribosome." in: **Frontiers in physiology**, Vol. 4, pp. 183, (2013) (PubMed).



Immunofluorescence

Image 1. Immunofluorescence analysis of Hela cells using ZBTB16 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Western Blotting

Image 2. Western blot analysis using ZBTB16 mouse mAb against Hela (1) cell lysate.