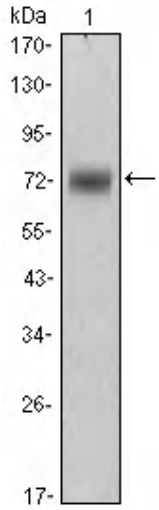
PLZF Monoclonal Antibody

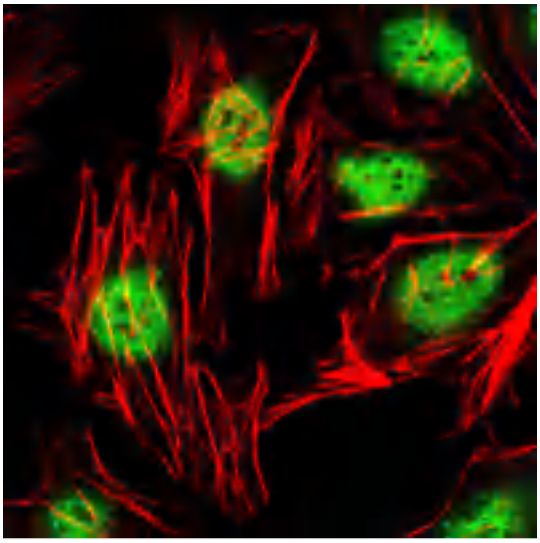
Catalog No	YP-Ab-01013
Isotype	IgG
Reactivity	Human
Applications	WB;IF;ELISA
Gene Name	ZBTB16
Protein Name	Zinc finger and BTB domain-containing protein 16
Immunogen	Purified recombinant fragment of human PLZF expressed in E. Coli.
Specificity	PLZF Monoclonal Antibody detects endogenous levels of PLZF protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ZBTB16; PLZF; ZNF145; Zinc finger and BTB domain-containing protein 16; Promyelocytic leukemia zinc finger protein; Zinc finger protein 145; Zinc finger protein PLZF
Observed Band	
Cell Pathway	Nucleus . Nucleus, nuclear body .
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.
Function	disease:A chromosomal aberration involving ZBTB16 may be a cause of acute promyelocytic leukemia (APL). Translocation t(11;17)(q32;q21) with RARA.,disease:Defects in ZBTB16 are the cause of skeletal defects genital hypoplasia and mental retardation [MIM:612447]. The disorder is characterized by mental retardation, craniofacial dysmorphism, microcephaly and short stature. Additional features include absence of the thumbs, hypoplasia of the radii and ulnae, additional vertebrae and ribs, retarded bone age and genital hypoplasia.,function:Probable transcription factor. May play a role in myeloid maturation and in the development and/or maintenance of other differentiated tissues. Probable substrate-recognition component of an E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins.,induction:By retinoic acid.,pathway:Pr

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. [provided by RefSeq, Jul 2008],
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.

Products Images



Western Blot analysis using PLZF Monoclonal Antibody against HeLa (1) cell lysate.



Immunofluorescence analysis of Hela cells using PLZF Monoclonal Antibody (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.