PLZF Mouse mAb

CatalogNo: YM0523

Key Features

Host Species
- Mouse

Reactivity
- Human

Applications
- WB,IF,ELISA

MW
- 74kD (Calculated)

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000
IF 1:200-1:1000
ELISA 1:10000
Not yet tested in other applications.

Basic Information

Clonality	Monoclonal
Clone Number	11A9

Immunogen Information

Immunogen	Purified recombinant fragment of human PLZF expressed in E. Coli.
Specificity	PLZF Monoclonal Antibody detects endogenous levels of PLZF protein.

Target Information

Gene name ZBTB16

Protein Name Zinc finger and BTB domain-containing protein 16

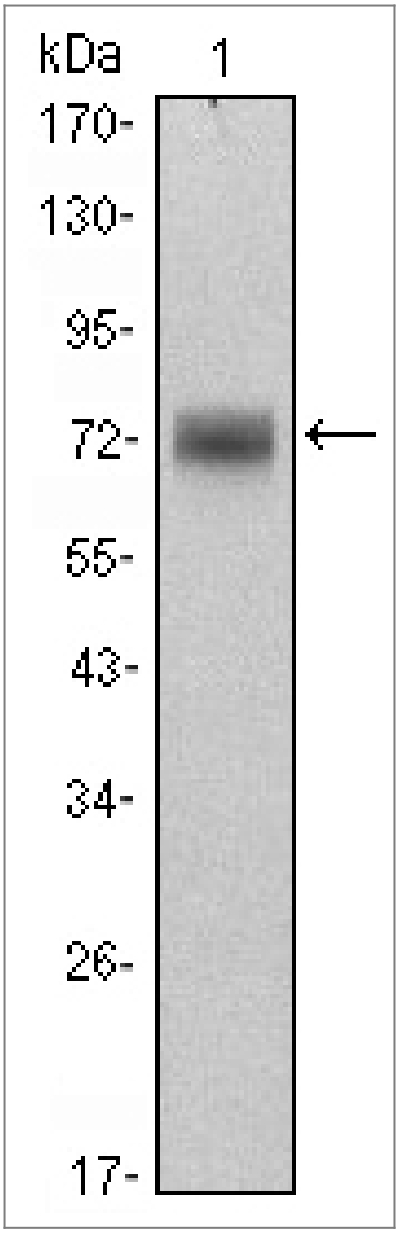
Organism	Gene ID	UniProt ID
Human	7704;	Q05516;

Cellular Localization Nucleus . Nucleus, nuclear body .

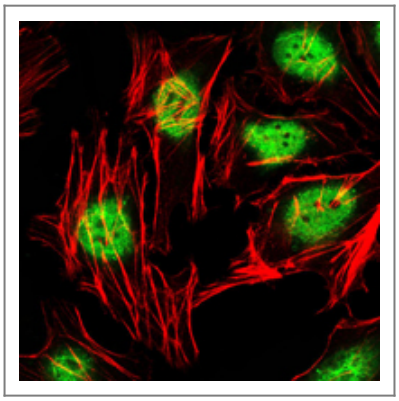
Tissue specificity Within the hematopoietic system, PLZF is expressed in bone marrow, early myeloid cell lines and peripheral blood mononuclear cells. Also expressed in the ovary, and at lower levels, in the kidney and lung.

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:Protein modification; protein ubiquitination.,similarity:Belongs to the krueppel C2H2-type zinc-finger protein family.,similarity:Contains 1 BTB (POZ) domain.,similarity:Contains 9 C2H2-type zinc fingers.,subunit:Binds EPN1. Interacts with ZBTB32 and CUL3.,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.,

Validation Data



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.

Contact information

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Please scan the QR code to access additional product information:
PLZF Mouse mAb