

Anti-Plzf Picoband Antibody
Catalog # ABO12654**Specification**

Anti-Plzf Picoband Antibody - Product Information

Application	WB
Primary Accession	Q05516
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Zinc finger and BTB domain-containing protein 16(ZBTB16) detection. Tested with WB in Human;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Plzf Picoband Antibody - 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

Calculated MW

74274 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Rat

Subcellular Localization

Nucleus.

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.

Protein Name

Zinc finger and BTB domain-containing protein 16

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

E.coli-derived human Plzf recombinant protein (Position: M1-E165).

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-Plzf Picoband Antibody - Protein Information

Name ZBTB16

Synonyms PLZF, ZNF145

Function

Acts as a transcriptional repressor (PubMed: [10688654](http://www.uniprot.org/citations/10688654), PubMed: [24359566](http://www.uniprot.org/citations/24359566)). Transcriptional repression may be mediated through recruitment of histone deacetylases to target promoters (PubMed: [10688654](http://www.uniprot.org/citations/10688654)). 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 (PubMed: [14528312](http://www.uniprot.org/citations/14528312)).

Cellular Location

Nucleus. Nucleus, nuclear body

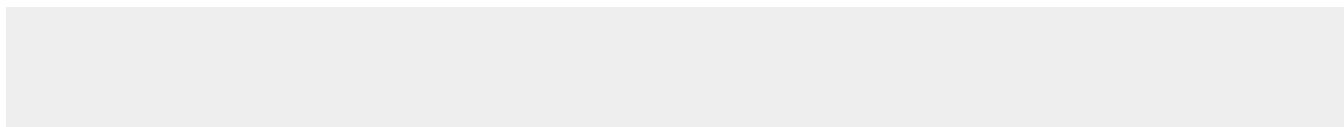
Tissue Location

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Anti-Plzf Picoband Antibody - 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](#)

Anti-Plzf Picoband Antibody - Images



Western blot analysis of Plzf expression in rat ovary extract (lane 1) and SKOV3 whole cell lysates (lane 2). Plzf at 74KD was detected using rabbit anti-Plzf Antigen Affinity purified polyclonal antibody (Catalog # ABO12654) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-Plzf Picoband Antibody - Background

Zinc finger and BTB domain-containing protein 16 is a protein that in humans is encoded by the ZBTB16 gene. 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.