

Anti-Plzf Picoband Antibody

Catalog # ABO12654

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.

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
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.
Source	Eukaryota
Protein Name	Zinc finger and BTB domain-containing protein 16
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
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.

Protein Information

Name	ZBTB16
Synonyms	PLZF, ZNF145
Function	Acts as a transcriptional repressor (PubMed: 10688654 , PubMed: 24359566). Transcriptional repression may be mediated through recruitment of histone deacetylases to target promoters (PubMed: 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).
Cellular Location	Nucleus. Nucleus, nuclear body
Tissue Location	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

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.

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 .

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