10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PLZF Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP6664b

Specification

PLZF Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q05516

PLZF Antibody (C-term) Blocking Peptide - 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

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6664b was selected from the C-term region of human PLZF. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PLZF Antibody (C-term) Blocking Peptide - 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

PLZF Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

PLZF Antibody (C-term) Blocking Peptide - Images

PLZF Antibody (C-term) Blocking Peptide - Background

PLZF is a member of the Krueppel C2H2-type zinc-finger protein family and 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).

PLZF Antibody (C-term) Blocking Peptide - References

Shi,J., Int. J. Cancer 125 (7), 1558-1565 (2009)Doulatov,S., Genes Dev. 23 (17), 2076-2087 (2009)