

Phospho-ZBTB16(Y334) Antibody Blocking peptide
Synthetic peptide
Catalog # BP3575a**Specification**

Phospho-ZBTB16(Y334) Antibody Blocking peptide - Product InformationPrimary Accession [Q05516](#)**Phospho-ZBTB16(Y334) Antibody 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 [AP3575a](/products/AP3575a) was selected from the region of human Phospho-ZBTB16-pY334. 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.

Phospho-ZBTB16(Y334) Antibody Blocking peptide - 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

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

Phospho-ZBTB16(Y334) Antibody Blocking peptide - Protocols

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

- [Blocking Peptides](#)

Phospho-ZBTB16(Y334) Antibody Blocking peptide - Images**Phospho-ZBTB16(Y334) Antibody Blocking peptide - Background**

ZBTB16 is a member of the Krueppel C2H2-type zinc-finger protein family. It is 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.

Phospho-ZBTB16(Y334) Antibody Blocking peptide - References

Labbaye,C., Nat. Cell Biol. 10 (7), 788-801 (2008)Kang,S.I., Biochem. Biophys. Res. Commun. 369 (4), 1209-1214 (2008)Felicetti,F., Cancer Res. 68 (8), 2745-2754 (2008)