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Phospho-ZBTB16(Y334) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3575a

Product Information

Application	WB, DB, E
Primary Accession	Q05516
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB15535
Calculated MW	74274

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	This ZBTB16 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y334 of human ZBTB16.
Dilution	WB~~1:1000 DB~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Phospho-ZBTB16(Y334) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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

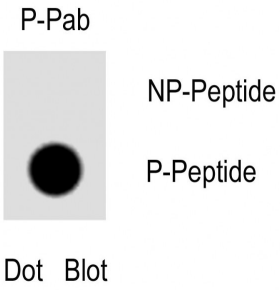
Background

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.

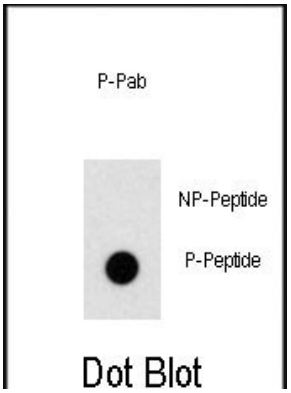
References

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)

Images



Dot blot analysis of Phospho-ZBTB16(Y334)Antibody Phospho-specific Pab (Cat. AP3575a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antobodies working concentration was 0. 5ug per ml.



Dot blot analysis of anti-Phospho-ZBTB16-pY334 Antibody (Cat.#AP3575a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.