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

ZBTB16(Y334)Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22483a

Product Information

Application	WB, E
Primary Accession	Q05516
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Clone Names	R04361NP
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(Y334) antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from the human region of human ZBTB16(Y334).
Dilution	WB~~1:1000 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	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

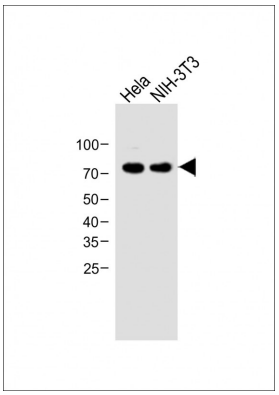
Background

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).

References

Chen Z.,et al.EMBO J. 12:1161-1167(1993).
Zhang T.,et al.Proc. Natl. Acad. Sci. U.S.A. 96:11422-11427(1999).
Chen S.-J.,et al.J. Clin. Invest. 91:2260-2267(1993).
Hoatlin M.E.,et al.Blood 94:3737-3747(1999).
Melnick A.M.,et al.Mol. Cell. Biol. 20:2075-2086(2000).

Images



All lanes: Anti-ZBTB16(Y334)Antibody at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 75 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.