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ZBTB17 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18958a

Product Information

Application	WB, E
Primary Accession	Q13105
Other Accession	NP_003434.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39036
Calculated MW	87928
Antigen Region	113-142

Additional Information

Gene ID	7709
Other Names	Zinc finger and BTB domain-containing protein 17, Myc-interacting zinc finger protein 1, Miz-1, Zinc finger protein 151, Zinc finger protein 60, ZBTB17, MIZ1, ZNF151, ZNF60
Target/Specificity	This ZBTB17 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 113-142 amino acids from the N-terminal region of human ZBTB17.
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	ZBTB17 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZBTB17
Synonyms	MIZ1, ZNF151, ZNF60

Function	Transcription factor that can function as an activator or repressor depending on its binding partners, and by targeting negative regulators of cell cycle progression. Plays a critical role in early lymphocyte development, where it is essential to prevent apoptosis in lymphoid precursors, allowing them to survive in response to IL7 and undergo proper lineage commitment. Has been shown to bind to the promoters of adenovirus major late protein and cyclin D1 and activate transcription. Required for early embryonic development during gastrulation. Represses RB1 transcription; this repression can be blocked by interaction with ZBTB49 isoform 3/ZNF509S1 (PubMed:25245946).
Cellular Location	Nucleus
Tissue Location	Expressed in germinal center B-cells.

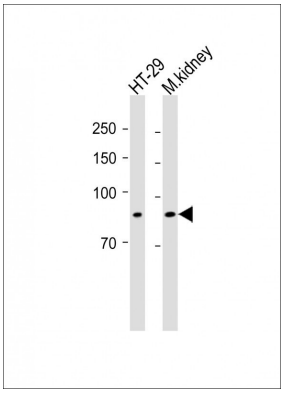
Background

This gene encodes a zinc finger protein involved in the regulation of c-myc. The symbol MIZ1 has also been associated with PIAS2 which is a different gene located on chromosome 18. [provided by RefSeq].

References

Licchesi, J.D., et al. Oncogene 29(44):5923-5934(2010)
Miao, L., et al. Oncogene 29(5):711-722(2010)
Liu, J., et al. Proc. Natl. Acad. Sci. U.S.A. 106(43):18279-18284(2009)
Basu, S., et al. Proc. Natl. Acad. Sci. U.S.A. 106(5):1433-1438(2009)
Ikegaki, N., et al. Clin. Cancer Res. 13(20):6001-6009(2007)

Images



All lanes: Anti-ZBTB17 Antibody (N-term) at 1:1000 dilution Lane 1: HT-29 whole cell lysate Lane 2: Mouse kidney 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: 88 KDa Blocking/Dilution buffer: 5% NFDM/TBST.