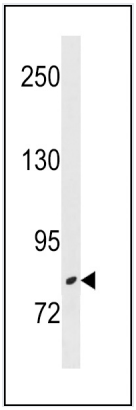
ZBTB17 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ZBTB17, Polyclonal Antibody
Full Product Name	ZBTB17 Antibody (N-term)
Product Gene Name	anti-ZBTB17 antibody
Product Synonym 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
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.5 (lot specific)
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.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	ZBTB17 peptide (MBS9223892) is used for blocking the activity of ZBTB17 antibody (MBS9212386)
Molecular Weight	87928
Immunogen Sequence Positions	113-142
OMIM	604084
3D Structure	ModBase 3D Structure for Q13105
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-ZBTB17 antibody	Cancer
Applications Tested/Suitable for anti-ZBTB17 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-ZBTB17 antibody	WB~~1:1000
Related Product Information for anti-ZBTB17 antibody	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].

Product References and Citations for anti-ZBTB17 antibody	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)
Other Notes	Small volumes of anti-ZBTB17 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ZBTB17 purchase	MBS9212386 is an antibody targeting ZBTB17. Also known as ZBTB17 Antibody (N-term). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-ZBTB17 antibody
ZBTB17 Antibody (N-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the ZBTB17 antibody detected the ZBTB17 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZBTB17. It may not necessarily be applicable to this product.

NCBI GI #	338968907
NCBI GeneID	7709
NCBI Accession #	NP_001229813.1
NCBI Related Accession #	NP_003434.2
UniProt Primary Accession #	Q13105
UniProt Secondary Accession #	Q15932; Q5JYB2; Q9NUC9; A0AV07; B4DXB4; B7ZLQ9; F5H411
UniProt Related Accession #	Q13105
GenBank Nucleotide #	NM_001242884.1
NCBI Official Full Name	zinc finger and BTB domain-containing protein 17 isoform 1
NCBI Official Synonym Full Names	zinc finger and BTB domain containing 17
NCBI Official Symbol	ZBTB17
NCBI Official Synonym Symbols	MIZ-1; ZNF60; ZNF151; pHZ-67
UniProt Protein Name	Zinc finger and BTB domain-containing protein 17
UniProt Synonym Protein Names	Myc-interacting zinc finger protein 1; Miz-1; Zinc finger protein 151; Zinc finger protein 60
Protein Family	Zinc finger and BTB domain-containing protein
UniProt Gene Name	ZBTB17
UniProt Synonym Gene Names	MIZ1; ZNF151; ZNF60; Miz-1

UniProt Entry Name	ZBT17_HUMAN
NCBI Protein Information	zinc finger and BTB domain-containing protein 17
NCBI Summary for ZBTB17	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, Jul 2008]
UniProt Comments for ZBTB17	ZBTB17: May function as a housekeeping DNA-binding protein that regulates the expression of specific genes. Has been shown to bind to the promoters of adenovirus major late protein and cyclin D1 and activate transcription. Also has potent growth arrest activity, probably through inhibition of cell cycle progression. Required for early embryonic development during gastrulation. Belongs to the krueppel C2H2-type zinc-finger protein family. Binds to the C-terminal helix-loop-helix motif of MYC which inhibits ZBTB17 transactivation and growth arrest activities and renders it insoluble in the nucleus. Also interacts with HCFC1, MAGEA4 and TMPRSS11A. 2 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding; C2H2-type zinc finger protein Chromosomal Location of Human Ortholog: 1p36.13 Cellular Component: nucleoplasm Molecular Function: protein binding; DNA binding; metal ion binding; transcription factor activity Biological Process: unfolded protein response, activation of signaling protein activity; cellular protein metabolic process; transcription, DNA-dependent; unfolded protein response; positive regulation of transcription, DNA-dependent; ectoderm development; gastrulation with mouth forming second; negative regulation of cell cycle
Research Articles on ZBTB17	**1.** MIZ-1 can promote the proliferation of breast cancer cells through Wnt signaling.
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