

Rabbit anti-Human ZBTB7B Polyclonal Antibody | anti-ZBTB7B antibody

ZBTB7B Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285141	Rabbit	Human	Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

ZBTB7B; Polyclonal Antibody; ZBTB7B Antibody (C-term); Zinc finger and BTB domain-containing protein 7B; Krueppel-related zinc finger protein cKrox; hcKrox; T-helper-inducing POZ/Krueppel-like factor; Zinc finger and BTB domain-containing protein 15; Zinc finger protein 67 homolog; Zfp-67; Zinc finger protein 857B; Zinc finger protein Th-POK; ZBTB15; ZFP67; ZNF857B; anti-ZBTB7B antibody

PRODUCT SPECIFICATIONS

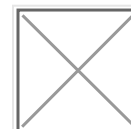
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ZBTB7B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 440-469 amino acids from the C-terminal region of human ZBTB7B.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	440-469
Sequence Length	573
Applicable Applications for anti-ZBTB7B antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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.

IMAGES



IF (Immunofluorescence)

Fluorescent confocal image of HeLa cell stained with ZBTB7B Antibody (C-term). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with ZBTB7B primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). ZBTB7B immunoreactivity is localized to Nucleus significantly.



WB (Western Blot)

Western blot analysis of ZBTB7B Antibody (C-term) in 293 cell line lysates (35ug/lane). ZBTB7B (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ZBTB7B antibody	ZBTB7B is a transcription regulator that acts as a key regulator of lineage commitment of immature T-cell precursors. It is necessary and sufficient for commitment of CD4 lineage, while its absence causes CD8 commitment. Development of immature T-cell precursors (thymocytes) to either the CD4 helper or CD8 killer T-cell lineages correlates precisely with their T-cell receptor specificity for major histocompatibility complex class II or class I molecules, respectively. ZBTB7B is a transcriptional repressor of the collagen COL1A1 and COL1A2 genes. It may also function as a repressor of fibronectin and possibly other extracellular matrix genes.
Product Categories/Family for anti-ZBTB7B antibody	Immunology
References	Galera,P., Proc. Natl. Acad. Sci. U.S.A. 91 (20), 9372-9376 (1994) Widom,R.L., Gene 198 (1-2), 407-420 (1997) Heegaard,A.M., J. Bone Miner. Res. 12 (12), 2050-2060 (1997) Widom,R.L., Matrix Biol. 20 (7), 451-462 (2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	356995909
NCBI GeneID	51043
NCBI Accession #	NP_001239335.1; NP_001243384.1
NCBI GenBank Nucleotide #	NM_001252406.2
UniProt Accession #	O15156; Q68DR2; Q96EP2; B4E3K5; D3DV83; J3KQQ3
Molecular Weight	58027
NCBI Official Full Name	zinc finger and BTB domain-containing protein 7B isoform 2
NCBI Official Synonym Full Names	zinc finger and BTB domain containing 7B
NCBI Official Symbol	ZBTB7B
NCBI Official Synonym Symbols	CKROX; THPOK; ZFP67; ZBTB15; ZFP-67; c-KROX; hcKROX; ZNF857B
NCBI Protein Information	zinc finger and BTB domain-containing protein 7B
UniProt Protein Name	Zinc finger and BTB domain-containing protein 7B
UniProt Gene Name	ZBTB7B
UniProt Synonym Gene Names	ZBTB15; ZFP67; ZNF857B; hcKrox; Zfp-67
UniProt Entry Name	ZBT7B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.