ARG55025
anti-ZBTB7B antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ZBTB7B
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ZBTB7B
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 440-469 (C-terminus) of Human ZBTB7B.
Conjugation	Un-conjugated
Alternate Names	T-helper-inducing POZ/Krueppel-like factor; CKROX; Zinc finger and BTB domain-containing protein 7B; ZBTB15; ZNF857B; ZFP-67; Zinc finger protein Th-POK; Zinc finger protein 857B; THPOK; c-KROX; Zinc finger and BTB domain-containing protein 15; ZFP67; hcKrox; hcKROX; Zinc finger protein 67 homolog; Zfp-67; Krueppel-related zinc finger protein cKrox

Application Instructions

Application table

Application	Dilution
ICC/IF	1:10 - 1:50
WB	1:1000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	293

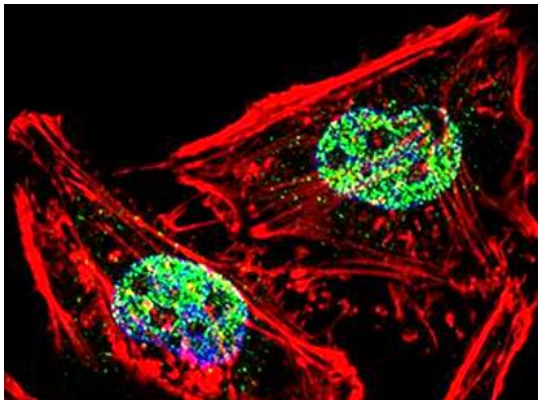
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

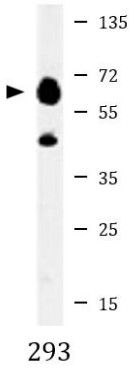
Database links	GeneID: 51043 Human Swiss-port # O15156 Human
Gene Symbol	ZBTB7B
Gene Full Name	zinc finger and BTB domain containing 7B
Background	This gene encodes a zinc finger-containing transcription factor that acts as a key regulator of lineage commitment of immature T-cell precursors. It is necessary and sufficient for commitment of CD4 lineage, while its absence causes CD8 commitment. It also functions as a transcriptional repressor of type I collagen genes. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012]
Function	Transcription regulator that acts as a key regulator of lineage commitment of immature T-cell precursors. 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. Transcriptional repressor of the collagen COL1A1 and COL1A2 genes. May also function as a repressor of fibronectin and possibly other extracellular matrix genes (By similarity). [UniProt]
Research Area	Gene Regulation antibody; Immune System antibody
Calculated Mw	58 kDa
Cellular Localization	Nucleus.

Images



ARG55025 anti-ZBTB7B antibody ICC/IF image

Immunofluorescence: HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then stained with ARG55025 anti-ZBTB7B antibody (green) at 1:25 dilution, 1 hour at 37°C. Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/ml, 1 hour at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min).



ARG55025 anti-ZBTB7B antibody WB image

Western blot: 35 µg of 293 cell lysate stained with ARG55025 anti-ZBTB7B antibody.