



[Go to Product page](#)

Datasheet for ABIN1882155

anti-ZBTB7B antibody (C-Term)

2 Images

3 Publications

Overview

Quantity:	400 µL
Target:	ZBTB7B
Binding Specificity:	AA 440-469, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZBTB7B antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	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.
Clone:	RB13260
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	ZBTB7B
Alternative Name:	ZBTB7B (ZBTB7B Products)

Target Details

Background: 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.

Molecular Weight: 58027

NCBI Accession: [NP_001239335](#), [NP_001243384](#)

UniProt: [O15156](#)

Application Details

Application Notes: IF: 1:10~50. WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

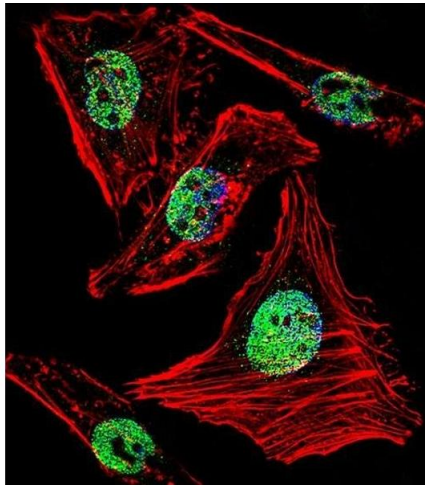
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Expiry Date: 6 months

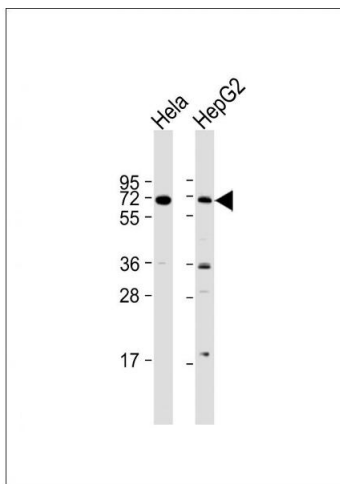
Publications

Product cited in: Hirakawa, Nakayama, Shibata, Sekine: "Association of cellular localization of glycogen synthase kinase 3beta in the digestive tract with cancer development." in: **Oncology reports**, Vol. 22, Issue 3, pp. 481-5, (2009) ([PubMed](#)).



Immunofluorescence

Image 1. Fluorescent confocal image of HeLa cell stained with ZBTB7B Antibody (C-term) (ABIN1882155 and ABIN2840762). 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 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). Nuclei were counterstained with DAPI (blue) (10 µg/mL, 10 min). ZBTB7B immunoreactivity is localized to Nucleus significantly.



Western Blotting

Image 2. All lanes : Anti-ZBTB7B Antibody (C-term) at 1:1000 dilution Lane 1: HeLa whole cell lysate Lane 2: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 58 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.