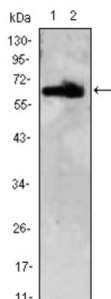
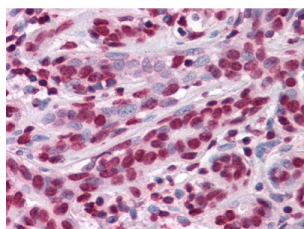


Zinc Finger And BTB Domain-Containing Protein 7B (ZBTB7B) Antibody

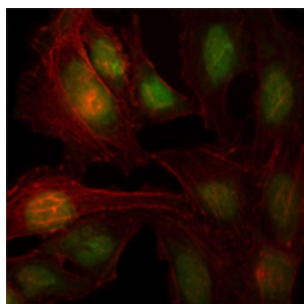
Catalogue No.: abx016024



Western blot analysis using ZBTB7B antibody against HEK293 (1,2) cell lysate.



Immunohistochemical analysis of paraffin-embedded human Breast tissues using anti-ZBTB7B antibody.



Immunofluorescence analysis of HeLa cells using ZBTB7B antibody (green). Red: Actin filaments have been labeled with AF555 phalloidin.

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.

Target: Zinc Finger And BTB Domain-Containing Protein 7B (ZBTB7B)

Clonality: Monoclonal

Reactivity: Human

Tested Applications: ELISA, WB, IHC, IF/ICC

Datasheet

Version: 2.0.0
Revision date: 20 Mar 2025



Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human ZBTB7B expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	O15156 (UniProt , ExPASy)
Gene Symbol:	ZBTB7B
GeneID:	51043
OMIM:	607646
HGNC:	18668
KEGG:	hsa:51043
Ensembl:	ENSG00000160685
String:	9606.ENSP00000406286
Molecular Weight:	58 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.