

ZBTB7B Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3140
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human ZBTB7B expressed in E. Coli.
Mol wt	58kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,IHC,ICC
Concentration	N/A
Full name	N/A
Synonyms	THPOK;ZFP67;ZBTB15;c-Krox;hcKrox;ZNF857B;DKFZp686G01254;ZBTB7B

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

WB: 1:500 - 1:2000

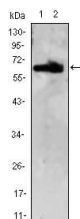
IHC-p: 1:200 - 1:1000

ICC: 1:200 - 1:1000

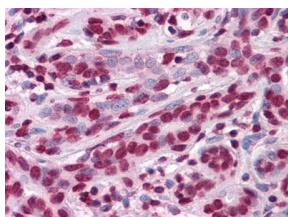
ELISA: 1:10000

Not yet tested in other applications.

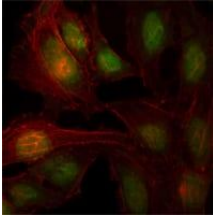
Images



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



Immunohistochemical analysis of paraffin-embedded human Breast tissues using anti-ZBTB7B mouse mAb



Immunofluorescence analysis of HeLa cells using ZBTB7B mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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