

**Product Name: ZBTB7B Mouse Monoclonal Antibody**  
**Catalog #: AMM80819**



## Summary

<b>Production Name</b>	ZBTB7B Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,ICC,ELISA
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Ascitic fluid containing 0.03% sodium azide.
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	ZBTB7B
<b>Alternative Names</b>	THPOK; ZFP67; ZBTB15; c-Krox; hcKrox; ZNF857B; DKFZp686G01254; ZBTB7B
<b>Gene ID</b>	51043.0
<b>SwissProt ID</b>	O15156.Purified recombinant fragment of human ZBTB7B expressed in E. Coli.

## Application

<b>Dilution Ratio</b>	WB:1:500-1:2000,IHC:1:200-1:1000,ICC:1:200-1:1000,ELISA:1:10000
<b>Molecular Weight</b>	58kDa

## Background

ZBTB7B is a transcription regulator that acts as a key regulator of lineage commitment of immature T-cell precursors. It is

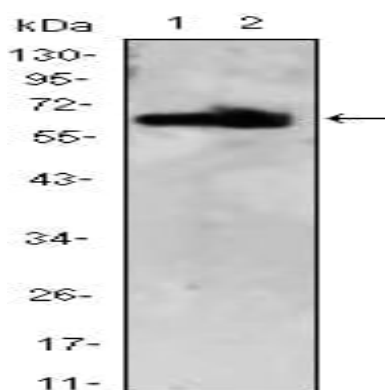
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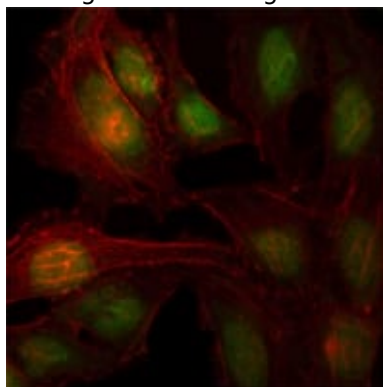
necessary and sufficient for commitment of CD4 lineage, while its absence causes CD8 commitment. Development of immature T-cell precursors (thymocytes) to either the CD4 helper or CD8 killer T-cell lineages correlates precisely with their T-cell receptor specificity for major histocompatibility complex 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.

## Research Area

## Image Data



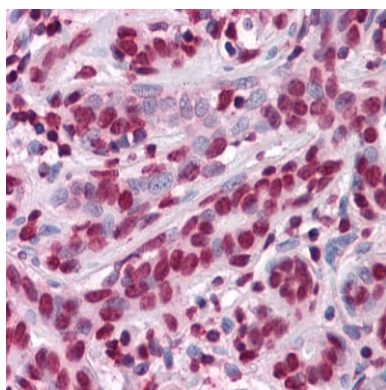
Western blot analysis using ZBTB7B mAb against HEK293 (1,2) cell lysate.



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

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

**Note**

For research use only.