

Product datasheet for **AM06405SU-N**

ThPok (ZBTB7B) Mouse Monoclonal Antibody [Clone ID: 7C12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	7C12
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. Immunohistochemistry on Paraffin Sections: 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human ZBTB7B expressed in E. Coli.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	58 kDa
Gene Name:	zinc finger and BTB domain containing 7B
Database Link:	Entrez Gene 51043 Human O15156



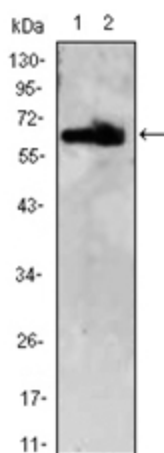
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Background:

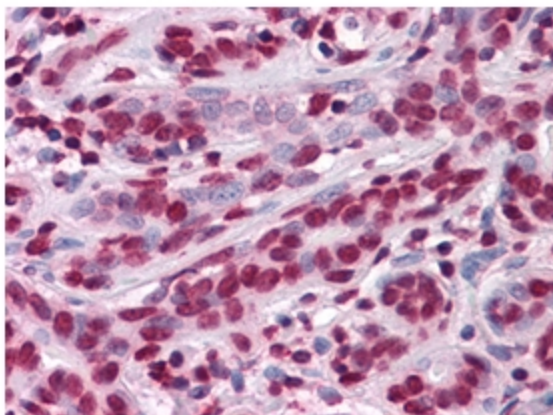
ZBTB7B is a transcription regulator that acts as a key regulator of lineage commitment of immature T-cell precursors. It is necessary and sufficient for commitment of CD4 lineage, while its absence causes CD8 commitment. Development of immature T-cell precursors (thymocytes) to either the CD4 helper 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.

Synonyms:

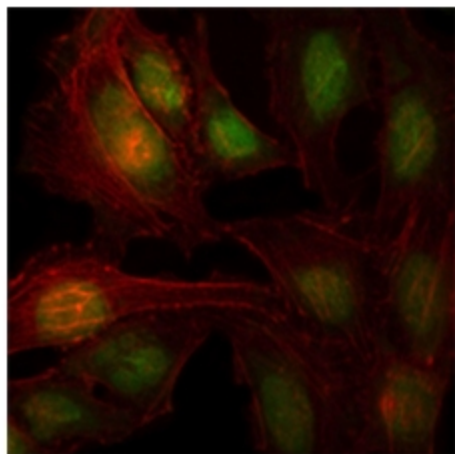
ZFP67, Zfp-67, ZBTB15, ZBT-15, Thpok, Th-POK, cKrox, c-Krox

Product images:

Western blot analysis using ZBTB7B antibody Cat.-No AM06405SU-N against HEK293 (Lanes 1, 2) cell lysate.



Immunohistochemical analysis of paraffin-embedded human Breast tissues using anti-ZBTB7B antibody Cat.-No AM06405SU-N



Immunofluorescence analysis of HeLa cells using ZBTB7B antibody Cat.-No AM06405SU-N (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin