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# Product datasheet for AP09084SU-N

## Zbtb7b Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | ELISA, WB |
| **Recommended Dilution:** | ELISA: 1:2,500 - 1:10,000.<br>Western blot: 1:500 - 1:3,000. |
| **Reactivity:** | Human, Mouse, Rat |
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Synthetic peptide corresponding to an internal sequence of mouse cKrox protein |
| **Specificity:** | This antibody is directed against mouse cKrox. |
| **Formulation:** | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide<br>State: Serum<br>State: Lyophilized delipidated and defibrinated antiserum |
| **Reconstitution Method:** | Reconstitute with 0.1 ml of deionized water. |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store vial at 2-8° C prior to opening. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use. |
| **Stability:** | Shelf life: One year from despatch. |
| **Gene Name:** | zinc finger and BTB domain containing 7B |
| **Database Link:** | Entrez Gene 22724 Mouse<br>Q64321 |

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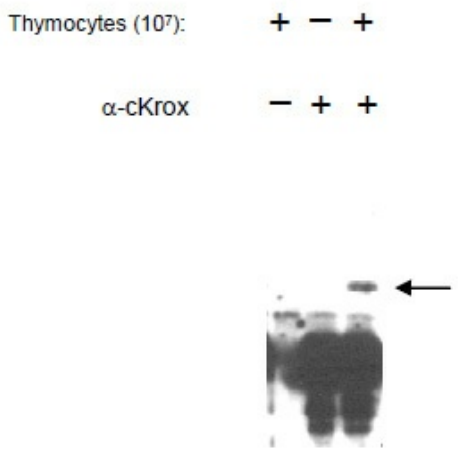
**Background:** cKrox (also known as Zfp67 or ThPOK) functions as a transcription regulator that acts as a key modulator of lineage commitment for immature T-cell precursors. cKrox is necessary and sufficient for commitment of CD4 lineage, while its absence causes CD8 commitment. Development of immature 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. cKrox is a known transcriptional repressor of the collagen COL1A1 and COL1A2 genes and may also function as a repressor of fibronectin and possibly other extracellular matrix genes. cKrox is located within the nucleus and is expressed in multiple tissues and organs including skin, thymus and peripheral T-cells.

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

## Product images:




Western blot using anti-cKrox antibody to detect endogenous cKrox in mouse thymocyte whole cell lysates. The left lane is a control with no primary antibody. The center lane is a reagent control. The right lane shows a band at 80 kDa corresponding to mouse cKrox protein. The membrane was probed with the primary antibody at a 1:500 dilution. Personal Communication, L. Wang and R. Bossulet, National Cancer Institute, Bethesda, MD.