

# Ctip2 Antibody

Rabbit mAb Catalog # AP91081

#### **Product Information**

Application WB
Primary Accession Q9C0K0
Reactivity Human
Clonality Monoclonal

Other Names ATL1 alpha; ATL1 beta; ATL1 gamma; ATL1 delta; Bcl11b; BCL11B/TRDC fusion;

CTIP2; hRIT1 alpha; hRit1; Rit1;

IsotypeRabbit IgGHostRabbitCalculated MW95519

#### **Additional Information**

**Dilution** WB 1:500~1:2000 **Purification** Affinity-chromatography

**Immunogen** A synthesized peptide derived from human Ctip2

**Description** Tumor-suppressor protein involved in T-cell lymphomas. May function on the

P53-signaling pathway. May be a key regulator of both differentiation and survival during thymocyte development. Repress transcription through direct,

TFCOUP2-independent binding to a GC-rich response element.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

### **Protein Information**

Name BCL11B

Synonyms CTIP2, RIT1

**Function** Key regulator of both differentiation and survival of T- lymphocytes during

thymocyte development in mammals. Essential in controlling the responsiveness of hematopoietic stem cells to chemotactic signals by modulating the expression of the receptors CCR7 and CCR9, which direct the movement of progenitor cells from the bone marrow to the thymus (PubMed: 27959755). Is a regulator of IL2 promoter and enhances IL2

(PubMed:<u>27959755</u>). Is a regulator of IL2 promoter and enhances IL2 expression in activated CD4(+) T-lymphocytes (PubMed:<u>16809611</u>). Tumor-suppressor that represses transcription through direct,

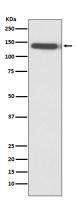
TFCOUP2-independent binding to a GC-rich response element (By similarity).

May also function in the P53-signaling pathway (By similarity).

Cellular Location Nucleus.

Highly expressed in brain and in malignant T-cell lines derived from patients with adult T-cell leukemia/lymphoma

## **Images**



Western blot analysis of Ctip2 expression in Jurkat cell lysate.

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