SunLong Biotech Co.,LTD
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www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-Ctip1 antibody

Catalog Number: SL11544R

FOR RESEARCH USE ONLY

[DATASHEET]

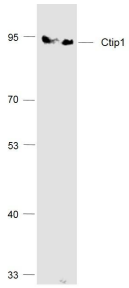
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Ctip1
Immunogen:	KLH conjugated synthetic peptide derived from human Ctip1: 751-835/835
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse, Rat, (predicted: Human, Chicken, Rabbit)
Predicted MW.:	91kDa
Subcellular Location:	The nucleus cytoplasmic
Background:	This gene encodes a C2H2 type zinc-finger protein by its similarity to the mouse Bcl11a/Evi9 protein. The corresponding mouse gene is a common site of retroviral integration in myeloid leukemia, and may function as a leukemia disease gene, in part, through its interaction with BCL6. During hematopoietic cell differentiation, this gene is down-regulated. It is possibly involved in lymphoma pathogenesis since translocations associated with B-cell malignancies also deregulates its expression. Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]. **Function:** Functions as a myeloid and B-cell proto-oncogene. May play important roles in leukemogenesis and hematopoiesis. An essential factor in lymphopoiesis, is required for B-cell formation in fetal liver. May function as a

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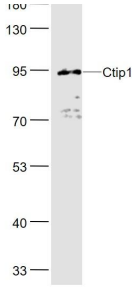
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	modulator of the transcriptional repression activity of ARP1. **Subunit:** Interacts with TFCOUP1, PIAS3, ARP1 and EAR2 **Subcellular Location:** Cytoplasm. Nucleus. Associates with the nuclear body. Colocalizes with SUMO1 and SENP2 in nuclear speckles. **Tissue Specificity:** Expressed at high levels in brain, spleen thymus, bone marrow and testis. Expressed in CD34-positive myeloid precursor cells, B-cells, monocytes and megakaryocytes. Expression is tightly regulated during B-cell development. **Post-translational modifications:** Sumoylated by SUMO1. DISEASE: Note=Chromosomal aberrations involving BCL11A may be a cause of lymphoid malignancies. Translocation t(2;14)(p13;q32.3) causes BCL11A deregulation and amplification. **Similarity:** Contains 6 C2H2-type zinc fingers. **Database links:** **Entrez Gene:** 53335 Human **Entrez Gene:** 14025 Mouse Omim: 606557 Human **SwissProt:** Q9H165 Human **SwissProt:** Q9QYE3 Mouse **Unigene:** 370549 Human **Unigene:** 441102 Mouse **Unigene:** 471050 Mouse **Unigene:** 53687 Mouse **Unigene:** 88824 Mouse

[VALIDATION IMAGES]



Sample:
Testis (Mouse) Lysate at 40 ug
Primary: Anti-Ctip1 (SL11544R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 91 kD
Observed band size: 91 kD



Sample:
Thymus (Mouse) Lysate at 40 ug
Primary: Anti-Ctip1 (SL11544R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 91 kD
Observed band size: 91 kD

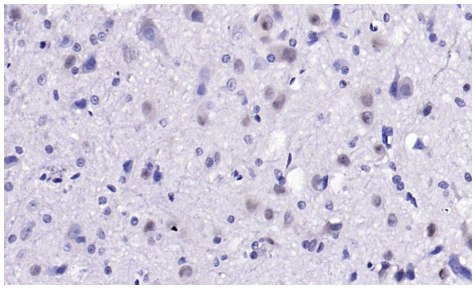
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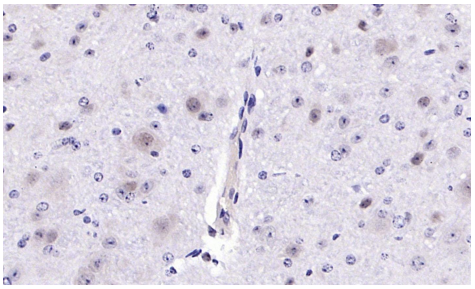
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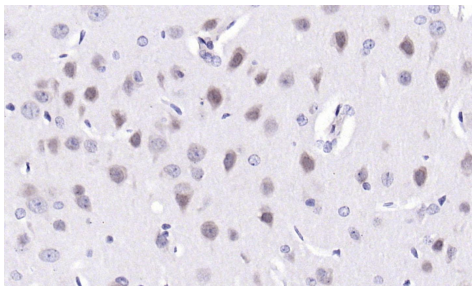
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Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Ctip1) Polyclonal Antibody, Unconjugated (SL11544R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Ctip1) Polyclonal Antibody, Unconjugated (SL11544R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Ctip1) Polyclonal Antibody, Unconjugated (SL11544R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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