

# Product Datasheet

## Ctip1 Antibody - BSA Free NB600-261

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NB600-261**

Ctip1 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

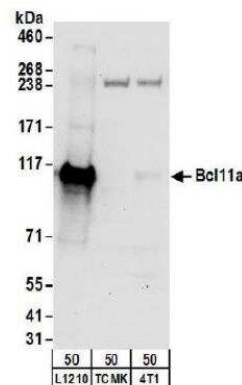
Product Description	
Description	Novus Biologicals Rabbit Ctip1 Antibody - BSA Free (NB600-261) is a polyclonal antibody validated for use in WB, Flow, IP and ChIP. Anti-Ctip1 Antibody: Cited in 9 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	53335
Gene Symbol	BCL11A
Species	Human, Mouse
Specificity/Sensitivity	NB600-261 is specific for human Bcl-11a protein.
Immunogen	A synthetic peptide which maps to a region between residues 775 and the C-terminus (residue 835) of human B-cell CLL/Lymphoma 11A using the numbering given in Swiss-Prot entry Q9H165 (GeneID 53335).

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), Gel Supershift Assay
Recommended Dilutions	Western Blot 1:1000-1:5000, Flow Cytometry 1:10-1:1000, Immunoprecipitation 2 - 10 ug/mg lysate, Gel Supershift Assay, Chromatin Immunoprecipitation (ChIP) 1:10-1:500
Application Notes	Ctip1 antibody validated for Flow from a verified customer review. Use in Chromatin Immunoprecipitation was reported in scientific publication (PMID: 23741395). Use in Gel supershift assay reported in scientific literature (PMID:34341563).

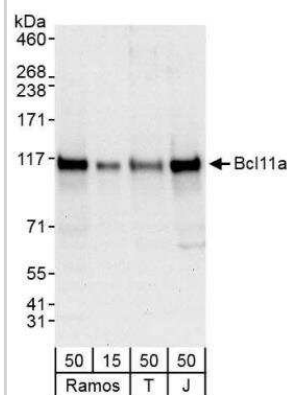


## Images

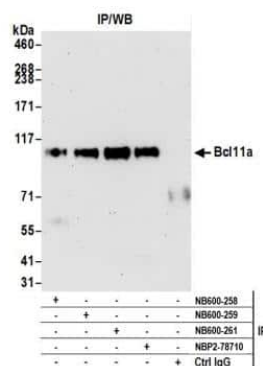
Western Blot: Ctip1 Antibody [NB600-261] - Whole cell lysate (50 ug) from L1210, TCMK-1, and 4T1 cells. Antibodies: Affinity purified rabbit anti-Bcl11a antibody used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Western Blot: Ctip1 Antibody [NB600-261] - Detection of human Ctip1 (Bcl11a) by western blot. Samples: Whole cell lysate from Ramos (15 and 50 ug), HEK293T (T; 50 ug) and Jurkat (J; 50 ug) cells. Antibodies: Affinity purified rabbit anti-Ctip1 antibody NB600-261 used at 1 ug/ml. Detection: Chemiluminescence with exposure times of 30 seconds.



Immunoprecipitation: Ctip1 Antibody [NB600-261] - Detection of human Ctip1 (Bcl11a) by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Ramos cells. Antibodies: Affinity purified rabbit anti-Ctip1 antibody NB600-261 used for IP at 6 ul/mg lysate. Ctip1 was also immunoprecipitated by a rabbit anti-Ctip1 antibodies (NB600-258, NB600-259) and rabbit anti-Ctip1 recombinant monoclonal antibody [BLR073G] (NBP2-78710). For blotting immunoprecipitated Ctip1, NBP2-78710 was used at 1:1000. Chemiluminescence with an exposure time of 75 seconds.



## Publications

S Takase, T Hiroyama, F Shirai, Y Maemoto, A Nakata, M Arata, S Matsuoka, T Sonoda, H Niwa, S Sato, T Umehara, M Shirouzu, Y Nishigaya, T Sumiya, N Hashimoto, R Namie, M Usui, T Ohishi, SI Ohba, M Kawada, Y Hayashi, H Harada, T Yamaguchi, Y Shinkai, Y Nakamura, M Yoshida, A Ito A specific G9a inhibitor unveils BGLT3 lncRNA as a universal mediator of chemically induced fetal globin gene expression *Nature Communications*, 2023-01-12;14(1):23. 2023-01-12 [PMID: 36635268]

Khan DMIO, Karmaus PWF, Bach A et al. An in vitro model of human hematopoiesis identifies a regulatory role for the aryl hydrocarbon receptor *Blood advances* 2023-07-21 [PMID: 37477592]

Woollett K Is there a transcription factor code? First steps towards assessing temporal changes in the landscape of post-transcriptional modifications during cellular differentiation Thesis 2023-01-01 (WB)

Doerfler PA, Feng R, Li Y Et al. Activation of gamma-globin gene expression by GATA1 and NF-gamma in hereditary persistence of fetal hemoglobin *Nature genetics* 2021-08-01 [PMID: 34341563] (GS, Human)

Fugazza C, Barbarani G, Elangovan S et Al. The Coup-TFII orphan nuclear receptor is an activator of the gamma - globin gene *Haematologica* 2020-02-27 [PMID: 32107331]

Martyn GE, Wienert B, Kurita R et al. A natural regulatory mutation in the proximal promoter elevates fetal globin expression by creating a de novo GATA1 site. *Blood* 2019-01-07 [PMID: 30617196] (Chemotaxis, Human)

Martyn GE, Wienert B, Yang L et al. Natural regulatory mutations elevate the fetal globin gene via disruption of BCL11A or ZBTB7A binding. *Nat. Genet.* 2018-04-01 [PMID: 29610478] (WB)

Zhu X, Hu T, Ho MH et al. Hydroxyurea differentially modulates activator and repressors of g-globin gene in erythroblasts of responsive and non-responsive patients with sickle cell disease in correlation with Index of Hydroxyurea Responsiveness. *Haematologica*. 2017-09-29 [PMID: 28971909] (Human)

Wu X, Satpathy AT, Kc W et al. Bcl11a Controls Flt3 Expression in Early Hematopoietic Progenitors and Is Required for pDC Development In Vivo. *PLoS One* 2013-05-31 [PMID: 23741395] (Chemotaxis, Mouse)

J Xu, V G Sankaran, M Ni et al. Transcriptional silencing of {gamma}-globin by BCL11A involves long-range interactions and cooperation with SOX6. *Genes & Dev*; 24 (8): 783-798. 2010-01-01 [PMID: 20395365]





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General: novus@novusbio.com

### **Products Related to NB600-261**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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