

# Product Datasheet

## CtIP Antibody - BSA Free NB100-79810

Unit Size: 100 ul

Store at 4C. Do not freeze.

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[technical@novusbio.com](mailto:technical@novusbio.com)

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**NB100-79810**

CtIP 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) |

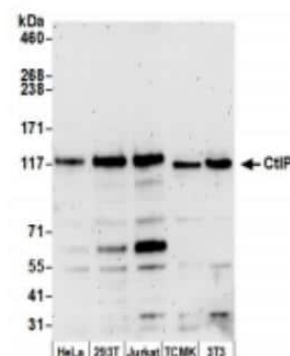
| Product Description |  |
|---------------------|--|
| Host                | Rabbit   |
| Gene ID             | 5932   |
| Gene Symbol         | RBBP8  |
| Species             | Human, Mouse   |
| Immunogen           | The immunogen recognized by this antibody maps to a region between residue 850 and the C-terminus (residue 897) of human CtBP Interacting Protein (Retinoblastoma Binding Protein 8) using the numbering given in entry NP_002885.1 (GeneID 5932). |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation                                    |
| Recommended Dilutions       | Western Blot 1:2000-1:10000, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 2 - 10 ug/mg lysate |
| Application Notes           | Use in ICC/IF reported in scientific literature (PMID 26215093).  |

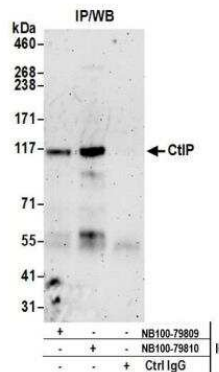


## Images

**Western Blot: CtIP Antibody [NB100-79810] - Whole cell lysate (15 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CtIP antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.**



**Immunoprecipitation: CtIP Antibody [NB100-79810] - Detection of human CtIP by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-CtIP antibody NB100-79810 used for IP at 3 ug per reaction. CtIP was also immunoprecipitated by rabbit anti-CtIP antibody NB100-79809. For blotting immunoprecipitated CtIP, NB100-79810 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.**



## Publications

Chakraborty P, Hiom K DHX9-dependent recruitment of BRCA1 to RNA promotes DNA end resection in homologous recombination *Nature communications* 2021-07-05 [PMID: 34226554] (WB, ICC/IF)

Quennet V, Beucher A, Barton O et al CtIP and MRN promote non-homologous end-joining of EPE-induced DNA double-strand breaks in G1 *Nucleic Acids Res* 2011-03-01 [PMID: 21087997]

Lee K Y, Im J. S, et al. ASF1a Promotes Non-homologous End Joining Repair by Facilitating Phosphorylation of MDC1 by ATM at Double-Strand Breaks. *Mol Cell* 2017-10-05 [PMID: 28943310] (WB)

Lee KY, Im JS, Shibata E et al. MCM8-9 complex promotes resection of double-strand break ends by MRE11-RAD50-NBS1 complex. *Nat Commun.* 2015-07-28 [PMID: 26215093] (WB, ICC/IF, Human)

Hu Y, Scully R, Sobhian B et al. RAP80-directed tuning of BRCA1 homologous recombination function at ionizing radiation-induced nuclear foci. *Genes Dev* 2011-04-01 [PMID: 21406551]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB100-79810**

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|               |   |
|---------------|---|
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |
| NBP1-85384PEP | CtIP Recombinant Protein Antigen                    |

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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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