

Ctip 2 C-terminus

Cat.No. 325 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: not tested yet ICC: 1 : 500 IHC: not tested yet IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 541 to 812 from rat Ctip2 (UniProt Id: H9N1L3)
Reactivity	Reacts with: rat, mouse (Q99PV8). Other species not tested yet.
Specificity	Specific for Ctip 2.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The Coup-TFI interacting protein 2 (**Ctip 2**), also referred to as **Bcl 11b**, is a zinc finger transcription factor that is expressed in postmitotic neurons. Together with Satb 2, Coup-TFI, and Fezf2 it is involved in the fine tuned sequential formation and specification of the different excitatory neuron populations forming the definitive six-layered cortical structure.

Selected General References

Unc5C and DCC act downstream of Ctip2 and Satb2 and contribute to corpus callosum formation. Srivatsa S, Parthasarathy S, Britanova O, Bormuth I, Donahoo AL, Ackerman SL, Richards LJ, Tarabykin V Nature communications (2014) 5: 3708.

Ctip2-mediated Sp6 transcriptional regulation in dental epithelium-derived cells. Adiningrat A, Tanimura A, Miyoshi K, Yanuaryska RD, Hagita H, Horiguchi T, Noma T The journal of medical investigation : JMI (2014) 61(1-2): 126-36.

CTIP2 is a negative regulator of P-TEFb.

Cherrier T, Le Douce V, Eilebrecht S, Riclet R, Marban C, Dequiedt F, Goumon Y, Paillart JC, Mericskay M, Parlakian A, Bausero P, et al.

Proceedings of the National Academy of Sciences of the United States of America (2013) 110(31): 12655-60.

The CB(1) cannabinoid receptor drives corticospinal motor neuron differentiation through the Ctip2/Satb2 transcriptional regulation axis.

Díaz-Alonso J, Aguado T, Wu CS, Palazuelos J, Hofmann C, Garcez P, Guillemot F, Lu HC, Lutz B, Guzmán M, Galve-Roperh I, et al. The Journal of neuroscience : the official journal of the Society for Neuroscience (2012) 32(47): 16651-65.

A dual function of Bcl11b/Ctip2 in hippocampal neurogenesis.

Simon R, Brylka H, Schwegler H, Venkataramanappa S, Andratschke J, Wiegreffe C, Liu P, Fuchs E, Jenkins NA, Copeland NG, Birchmeier C, et al.

The EMBO journal (2012) 31(13): 2922-36.

The Fezf2-Ctip2 genetic pathway regulates the fate choice of subcortical projection neurons in the developing cerebral cortex.

Chen B, Wang SS, Hattox AM, Rayburn H, Nelson SB, McConnell SK

Proceedings of the National Academy of Sciences of the United States of America (2008) 105(32): 11382-7.

CTIP1 and CTIP2 are differentially expressed during mouse embryogenesis.

Leid M, Ishmael JE, Avram D, Shepherd D, Fraulob V, Dollé P

Gene expression patterns : GEP (2004) 4(6): 733-9.