

Doublecortin

Cat.No. 326 003; 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: yes ICC: not tested yet IHC: 1 : 200 up to 1 : 500 IHC-P/FFPE: 1 : 200 up to 1 : 500
Immunogen	Recombinant protein corresponding to AA 271 to 366 from mouse Doublecortin (UniProt Id: Q6PGI2)
Reactivity	Reacts with: rat (Q9ESI7), mouse (Q6PGI2), human (O43602). Other species not tested yet.
Specificity	Specific for doublecortin.

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

Doublecortin or **DCX** seems to be required for initial steps of neuronal dispersion and cortex lamination during cerebral cortex development. Mutations in the gene encoding this protein have been linked to the double cortex syndrome. Doublecortin is highly expressed in neuronal cells of fetal brain but absent from other tissues. In the adult dentate gyrus it is only expressed in cells contributing to adult neurogenesis.

Selected References SYSY Antibodies

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Selected General References

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Variability of doublecortin-associated dendrite maturation in adult hippocampal neurogenesis is independent of the regulation of precursor cell proliferation.

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