

Doublecortin (12S18) Rabbit Monoclonal Antibody

Catalog# HZ-YMA00539

Product information

产品货号	HZ-YMA00539
别名	DCX;DBCN;LISX;Neuronal migration protein doublecortin;Doublin;Lissencephalin-X;Lis-X
产品名称	Doublecortin (12S18) Rabbit Monoclonal Antibody
类别	抗体产品
基因名称	DCX
推荐应用	WB,IHC-P,IF-P,IF-F,IF-ICC,ELISA
反应种属	Human,Mouse,Rat
存储缓冲液	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Human Gene ID	1641
Human Swissprot No.	O43602
稀释度	IHC-P 1:50-1:200, WB 1:2000-1:10000, IF-P/IF-F/IF-ICC 1:200-1:1000, ELISA 1:5000-1:20000
参考分子量	41kDa
预测分子量	41kDa
运输及保存条件	Biological ice bag transportation. Store at -20°C for at least 12 months(Do not lower than -25°C). Avoid freeze/thaw cycles
宿主	Rabbit
同种型	IgG,Kappa
背景介绍	This gene encodes a member of the doublecortin family. The protein encoded by this gene is a cytoplasmic protein and contains two doublecortin domains, which bind microtubules. In the developing cortex, cortical neurons must migrate over long distances to reach the site of their final differentiation. The encoded protein appears to direct neuronal migration by regulating the organization and stability of microtubules. In addition, the encoded protein interacts with LIS1, the regulatory gamma subunit of platelet activating factor acetylhydrolase, and this interaction is important to proper microtubule function in the developing cortex. Mutations in this gene cause abnormal migration of neurons during development and disrupt the layering of the cortex, leading to epilepsy, mental retardation, subcortical band heterotopia ("double cortex" syndrome) in females and lissencephaly ("smooth brain" syndrome) in males.
细胞定位	Cytoplasm . Cell projection, neuron projection . Localizes at neurite tips. .
纯化	Protein A
Clonality	Monoclonal