Recombinant DGRmAb®

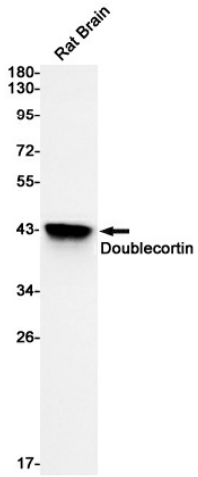
Doublecortin (DGR11323) Rabbit mAb

db11118 **Package : 10μL 20μL 50μL 100μL**

Product Name : Doublecortin (DGR11323) Rabbit mAb
Cat.No.: db11118
Synonyms : DC; DBCN; LISX; SCLH; XLIS
Application : WB, IHC-P, ICC/IF
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	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, cognitive disability, subcortical band heterotopia ("double cortex" syndrome) in females and lissencephaly ("smooth brain" syndrome) in males. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2010]
Immunogen	Recombinant protein of human Doublecortin
Gene ID	1641
Swiss Prot	O43602
Synonyms	DC; DBCN; LISX; SCLH; XLIS
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF
Recommended dilution	WB: 1:1000 IHC-P: 1:100-1:200 ICC/IF: 1:100-1:200
Calculated MW	41 kDa
Observed MW	41 kDa
Host species	Rabbit

Clonality	Monoclonal
Clonality No.	DGR11323
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of Doublecortin in Rat Brain cell using Doublecortin antibody(1:1000 diluted).