

Recombinant

DGRmAb®

Phospho-Doublecortin (Ser297) (DGR14444) Rabbit mAb

db13978

Package : 10µL 20µL 50µL 100µL

Product Name : Phospho-Doublecortin (Ser297) (DGR14444) Rabbit mAb**Cat.No.:** db13978**Synonyms** : Dbct**Application** : WB, IHC-P, IP**Reactivity** : 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. Studies in knockout mice lacking this gene and the LIS1 gene suggest that the molecular interaction of these two genes is important in both in neuronal migration and neurogenesis, and there is a cortical role of this gene in nuclear translocation and positioning of the mitotic spindle in radial glial mitotic division. Multiple transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq, Sep 2010]

Immunogen

A synthetic phosphopeptide corresponding to residues surrounding Ser297 of mouse Doublecortin

Gene ID

13193

Swiss Prot

O88809

Synonyms

Dbct

Reactivity

Mouse,Rat

Application

WB, IHC-P, IP

Recommended dilution

WB: 1:1000

IHC-P: 1:200-1:1000

IP: 1:20-1:50

Calculated MW

41 kDa

Observed MW

41 kDa

Host species

Rabbit

Clonality	Monoclonal
Clonality No.	DGR14444
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.