

Doublecortin (phospho-Ser297) rabbit pAb

Catalog No: #13911

Package Size: #13911-1 50ul #13911-2 100ul

Description

Product Name	Doublecortin (phospho-Ser297) rabbit pAb
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Applications	WB
Species Reactivity	Human,Rat
Specificity	This antibody detects endogenous levels of Human Rat Doublecortin (phospho-Ser297)
Immunogen Description	Synthesized phosho peptide around human Doublecortin (Ser297)
Conjugates	Unconjugated
Other Names	Neuronal migration protein doublecortin (Doublin) (Lissencephalin-X) (Lis-X)
Accession No.	Swiss Prot:O43602GeneID:1641
SDS-PAGE MW	44
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

WB 1:1000-2000

Background

doublecortin(DCX) Homo sapiens 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")

Note: This product is for in vitro research use only and is not intended for use in humans or animals.