

Doublecortin (phospho-Ser297) rabbit pAb antibody

Catalog No :	Source:	Concentration :	Mol.Wt. (Da):
A13723	Rabbit	1 mg/ml	
Applications	WB		
Reactivity	Human,Rat		
Dilution	WB 1:1000-2000		
Storage	-20°C/1 year		
Specificity	This antibody detects endogenous levels of Human Rat Doublecortin (phospho-Ser297)		
Source / Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.		
Immunogen	Synthesized phospho peptide around human Doublecortin (Ser297)		
Uniprot No	O43602		
Alternative names	Neuronal migration protein doublecortin (Doublin) (Lissencephalin-X) (Lis-X)		
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.		
Clonality	Polyclonal		
Isotype	IgG		
Conjugation			
Background	<p>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" syndrome).</p>		
Other	DCX DBCN LISX, Doublecortin (Ser297)		

Product Images:

Application Key:

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry ChIP-Chromatin Immunoprecipitation
IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

Species Cross-Reactivity Key:

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster
X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All
Species Expected

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