Doublecortin (phospho Ser339) Polyclonal Antibody

Catalog No: #13912

Package Size: #13912-1 50ul #13912-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Doublecortin (phospho Ser339) Polyclonal Antibody
Host Species	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	IHC-p,IF(paraffin section),ELISA
Species Reactivity	Human,Mouse,Rat
Specificity	Phospho-Doublecortin (S339) Polyclonal Antibody detects endogenous levels of Doublecortin protein only when phosphorylated at S339.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human Doublecortin around the phosphorylation site of Ser376. AA range:330-365
Other Names	DCX; DBCN; LISX; Neuronal migration protein doublecortin; Doublin; Lissencephalin-X; Lis-X
Accession No.	Swiss Prot:O43602GeneID:1641
Uniprot	O43602
GeneID	1641
Calculated MW	40kd
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

Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

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&quo

Note: This product is for in vitro research use only