

DNAxPAb

Hard-to-Find
Antibody

DCX DNAxPab

Catalog # H00001641-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human DCX DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MELDFGHFDERDKTSRNMGRSMNGLPSPTHSAHCSFYRTRLQALSNEKKAKKVRFYRNGDR YFKGIVYAVSSDRFRSFDALLADLTRSLSDNINLPQGVRYIYIDGSRKIGSMDELEEGESYVCSSD NFFKKVEYTKNVNPNWSVNVKTSANMKAPQSLASSNSAQARENKDFVRPKLVTIIRSGVKPRKA VRVLLNKKTAHSFEQVLTDITEAIKLETGVVKKLYTLDGKQVTCLHDFFGDDDVFIACGPEKFRYA QDDFSLDENECRVMKGNPSATAGPKASPTPQKTSASPGPMRRSKSPADSANGTSSSQLSTP KSKQSPISTPTSPGSLRKHKDLYLPLSLDDSDSLGDSM
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — DCX

Entrez GeneID [1641](#)

GeneBank Accession# [NM_178151.1](#)

Protein Accession# [NP_835364.1](#)

Gene Name DCX

Gene Alias DBCN, DC, LISX, SCLH, XLIS

Gene Description doublecortin

Omim ID [300067](#) [300121](#)

Gene Ontology [Hyperlink](#)

Gene Summary

In the developing cortex, cortical neurons must migrate over long distances to reach the site of their final differentiation. The protein encoded by this gene is a cytoplasmic protein which appears to direct neuronal migration by regulating the organization and stability of microtubules. The encoded protein contains two doublecortin domains, which bind 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 are a cause of X-linked lissencephaly. Multiple transcript variants encoding at least three different isoforms have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000062892|doublecortin|doublin|lissencephalin-X

Disease

- [Autistic Disorder](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)