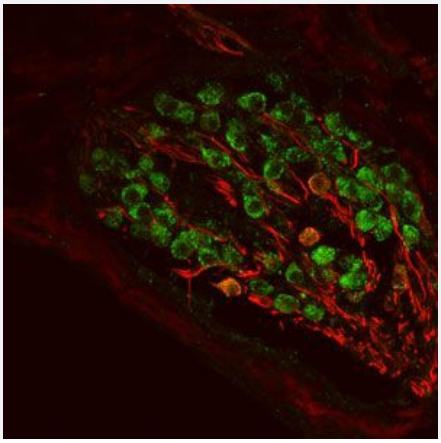
DCX polyclonal antibody

Catalog # PAB29068 Size

Applications



DCX polyclonal antibody (Cat # PAB29068) was validated by immunocytological staining (at a concentration of 2 ug/mL).
DCX-staining of cochlear neurons in the cochlear ganglion of an adult mouse brain (green staining). Red staining is neurofilament immunoreactivity with a rabbit antibody.

Specification

Product Description	Chicken polyclonal antibody raised against recombinant Human DCX.
Immunogen	Two different KLH-conjugated synthetic peptides corresponding to different regions of DCX gene product, shared between the human (CAA06617.1, NCBI) and mouse (AAT58219.1, NCBI) sequences.
Host	Chicken
Reactivity	Human, Mouse
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgY
Quality Control Testing	Immunocytochemistry DCX polyclonal antibody (Cat # PAB29068) was validated by immunocytological staining (at a concentration of 2 ug/mL). DCX-staining of cochlear neurons in the cochlear ganglion of an adult mouse brain (green staining). Red staining is neurofilament immunoreactivity with a rabbit antibody.

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Recommend Usage	Immunocytochemistry(1:1000-1:2000) Immunohistochemistry(1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.02% sodium azide)
Storage Instruction	Store at 4°C and avoid from light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Immunocytochemistry

Gene Info — DCX

Entrez GeneID	1641
Protein Accession#	CAA06617.1
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 the ir 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 encode d protein contains two doublecortin domains, which bind microtubules. In addition, the encoded pr otein 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. Mutation s in this gene are a cause of X-linked lissencephaly. Multiple transcript variants encoding at least t hree different isoforms have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000062892|doublecortex|doublin|lissencephalin-X

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Gene Info — Dcx

Entrez GeneID	13193
Protein Accession#	CAA06617.1
Gene Name	Dcx
Gene Alias	Dbct
Gene Description	doublecortin
Gene Ontology	Hyperlink
Gene Summary	X-linked (doublecortin)
Other Designations	OTTMUSP00000020397|doublecortex|lissencephaly, X-linked (doublecortin)

Disease

- Autistic Disorder
- Epilepsy
- Genetic Predisposition to Disease

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