

DCX (Human) Cell-Based ELISA Kit

Catalog # KA2741 Size 1 Kit

Specification

Product Description	DCX (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of DCX expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — DCX

Entrez GeneID	1641
Protein Accession#	O43602
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](#)