

Datasheet for ABIN357927
anti-Doublecortin antibody

2 Images



[Go to Product page](#)

Overview

Quantity:	0.4 mL
Target:	Doublecortin (DCX)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Doublecortin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide corresponding to amino acid residues surrounding S128 of human DCX.
Isotype:	Ig Fraction
Specificity:	This antibody detects DCX.
Purification:	Protein A Chromatography followed by peptide affinity purification.

Target Details

Target:	Doublecortin (DCX)
Alternative Name:	Doublecortin (DCX Products)
Background:	In the developing cortex, cortical neurons must migrate over long distances to reach the site of their final differentiation. DCX is a cytoplasmic protein which appears to direct neuronal

Target Details

migration by regulating the organization and stability of microtubules. It contains two doublecortin domains, which bind microtubules. In addition, this 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 the gene encoding DCX are a cause of X-linked lissencephaly. Synonyms: DBCN, DCX, Dublin, LISX, Lissencephalin-X, Neuronal migration protein doublecortin

Molecular Weight: 44925 Da

Gene ID: 1641, 9606

UniProt: [O43602](#)

Application Details

Application Notes: ELISA: 1/1,000. Western Blot: 1/50-1/100. Immunohistochemistry: 1/10-1/50.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) Sodium Azide as preservative.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

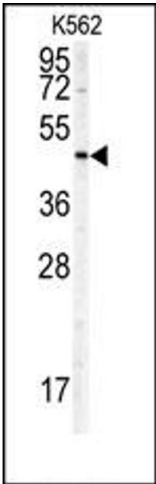


Image 1.



Image 2.