Rabbit anti-Human Doublecortin/DCX Polyclonal Antibody | anti-DCX antibody

Anti-Doublecortin/DCX Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254941	**Rabbit**	**Human**	**Immunoprecipitation, Western Blot**

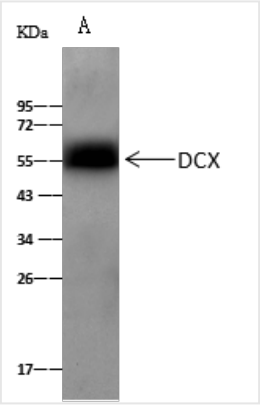
PRODUCT SYNONYMS

Doublecortin/DCX; Polyclonal Antibody; Anti-Doublecortin/DCX Antibody; Rabbit Polyclonal; DCX Antibody; Rabbit PAb; Antigen Affinity Purified; doublecortin; Anti-DBCN Antibody; Anti-DC Antibody; Anti-LISX Antibody; Anti-SCLH Antibody; Anti-XLIS Antibody; anti-DCX antibody

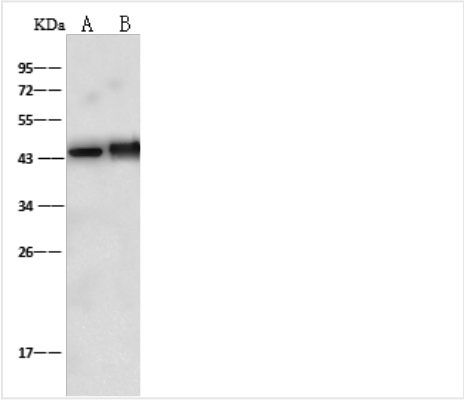
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human DCX
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-DCX antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human DCX
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human DCX, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)
DCX was immunoprecipitated using:Lane A:0.5 mg RAW264.7 Whole Cell Lysate2 uL anti-DCX rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G.Primary antibody:Anti-DCX rabbit polyclonal antibody,at 1:100 dilutionSecondary antibody:Clean-Blot IP Detection Reagent (HRP) at 1:1000dilutionDeveloped using the ECL technique.Performed under reducing conditions.Predicted band size: 49 kDaObserved band size :55 kDa



WB (Western Blot)
Anti-DCX rabbit polyclonal antibody at 1:500 dilutionLane A: K562 Whole Cell LysateLane B: RAW264.7 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique.Performed under reducing conditions.Predicted band size:49 kDaObserved band size:46 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-DCX antibody	DCX (doublecortin, N-GST chimera)contains 2 doublecortin domains and belongs to the doublecortin family. It is highly expressed in neuronal cells of fetal brain, but not expressed in other fetal tissues. In the adult, it is highly expressed in the brain frontal lobe, but very low expression in other regions of brain, and not detected in heart, placenta, lung, liver, skeletal muscles, kidney and pancreas. DCX is a microtubule-associated protein required for initial steps of neuronal dispersion and cortex lamination during cerebral cortex development. It may act by competing with the putative neuronal protein kinase DCAMKL1 in binding to a target protein. DCX may in that way participate in a signaling pathway that is crucial for neuronal interaction before and during migration, possibly as part of a calcium ion-dependent signal transduction pathway. It may be part with LIS-1 of a overlapping, but distinct, signaling pathways that promote neuronal migration. Defects in DCX are the cause of lissencephaly X-linked type 1 and subcortical band heterotopia X-linked.
References	Des Portes V, et al. (1998) A novel CNS gene required for neuronal migration and involved in X-linked subcortical laminar heterotopia and lissencephaly syndrome. Cell. 92:51-61.Gleeson J G, et al. (998) Doublecortin, a brain-specific gene mutated in human X-linked lissencephaly and double cortex syndrome, encodes a putative signaling protein. Cell. 92:63-72.Ross M T, et al. (2005) The DNA sequence of the human X chromosome. Nature. 434:325-37.

NCBI AND UNIPROT INFORMATION

NCBI GI #	30181246
NCBI GeneID	1641
NCBI Accession #	NP_000546.2
NCBI GenBank Nucleotide #	NM_000555.3
UniProt Accession #	O43602; O43911; Q5JYZ5; A6NFY6; A9Z1V8; D3DUY8; D3DUY9; D3DUZ0
Molecular Weight	49,318 Da
NCBI Official Full Name	neuronal migration protein doublecortin isoform a
NCBI Official Synonym Full Names	doublecortin
NCBI Official Symbol	DCX
NCBI Official Synonym Symbols	DC; DBCN; LISX; SCLH; XLIS
NCBI Protein Information	neuronal migration protein doublecortin; lis-X; doublin; doublecortex; lissencephalin-X

UniProt Protein Name	Neuronal migration protein doublecortin
UniProt Gene Name	**DCX**
UniProt Synonym Gene Names	DBCN; LISX; Lis-X
UniProt Entry Name	DCX_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/doublecortin-dcx-antibody-immunoprecipitation-western-blot-elisa/254941