

Doublecortin/DCX Polyclonal Antibody | anti-DCX antibody

Goat anti-Doublecortin/DCX (aa232-242) Antibody

CATALOG # AAA13668	REACTIVITY Species Reactivity: Mouse, Human Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow	APPLICATIONS ELISA, Western Blot, Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

Doublecortin/DCX; Polyclonal Antibody; Goat anti-Doublecortin/DCX (aa232-242) Antibody; DCX; doublecortin; RP5-914P14.1; DBCN; DC; FLJ51296; LISX; SCLH; XLIS; OTTHUMP00000216316; doublecortex; doublin; lis-X; lissencephalin-X; neuronal migration protein doublecortin; anti-DCX antibody

PRODUCT SPECIFICATIONS

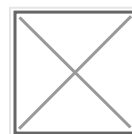
Reactivity	Species Reactivity: Mouse, Human Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow
Clonality	Polyclonal
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Applicable Applications for anti-DCX antibody	ELISA (Peptide ELISA), WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Peptide ELISA: antibody detection limit dilution 1:32000. Western blot: Approx 45kDa band observed in Mouse fetal Brain lysates (calculated MW of 49.3kDa according to Mouse NP_001103692.1. Recommended concentration: 0.01-0.03ug/ml. Primary incubation 1 hour at room temperature. IHC: In paraffin embedded Human Cerebellum shows axonal and incidental nuclear staining. Recommended concentration, 2-4ug/ml. Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HepG2 cells. Recommended concentration: 5ug/ml
Immunogen	Peptide with sequence C-KTSANMKAPQS, from the internal region of the protein sequence according to NP_000546.2; NP_835365.1; NP_835364.1; NP_001182482.1.
Note	This antibody is expected to recognize all four reported isoforms (NP_000546.2; NP_835365.1; NP_835364.1; NP_001182482.1). Reported variants represent identical protein: NP_835364.1 and NP_835366.1.
Preparation and Storage	Aliquot and store at -20°C. Minimize freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Negative Control showing staining of paraffin embedded Human Cerebellum, with no primary antibody.



IHC (Immunohistochemistry)

AAA13668 (2ug/ml) staining of paraffin embedded Human Cerebellum. Microwaved antigen retrieval with citrate buffer pH 6, HRP-staining.

**WB (Western Blot)**

0.01ug/ml staining of Mouse fetal Brain lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**IF (Immunofluorescence)**

Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (5ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml).

NCBI AND UNIPROT INFORMATION

NCBI GI #	30181246
NCBI GeneID	1641
NCBI Accession #	NP_000546.2; NP_835365.1; NP_835364.1; NP_001182482.1
NCBI GenBank Nucleotide #	NM_000555.3
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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/doublecortin-dcx-antibody-peptide-elisa-western-blot-immunohistochemistry-immunofluorescence-elisa/13668>