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Research Use Only. Not for diagnostic or therapeutic use.

EB10782 - Goat Anti-Doublecortin / DCX (aa69-81) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: DCX, doublecortin, RP5-914P14.1, DBCN, DC, FLJ51296, LISX, SCLH, XLIS, OTTHUMP00000216316, doublecortex, doublin, lis-X, lissencephalin-X,

neuronal migration protein doublecortin

Official Symbol: DCX

Accession Number(s): NP_000546.2

Human GeneID(s): 1641

Important Comments: This antibody is expected to recognize reported isoform a

(NP_000546.2) only.

Immunogen

Peptide with sequence DRSHCQSLRFHQN, from the internal region of the protein sequence according to NP_000546.2.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

IHC: Paraffin embedded Human Brain (Cortex). Recommended concentration: 6µg/ml.

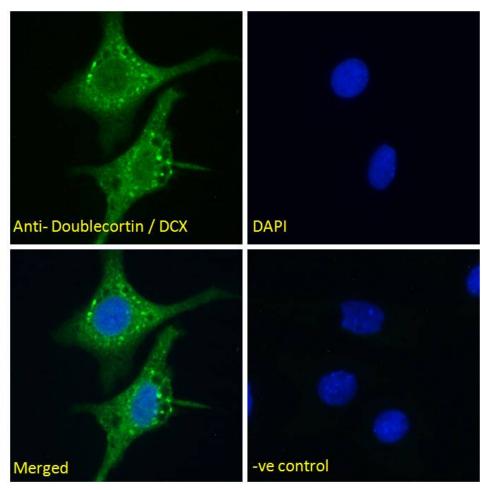
Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HepG2 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of Kelly cells. Recommended concentration: 10ug/ml.

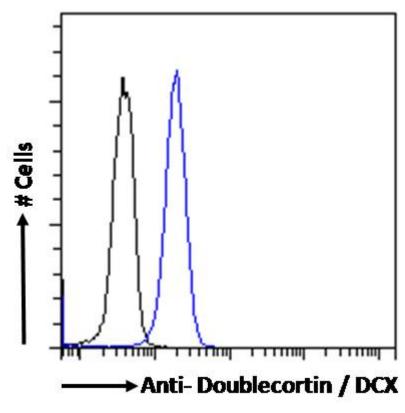
Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Cow

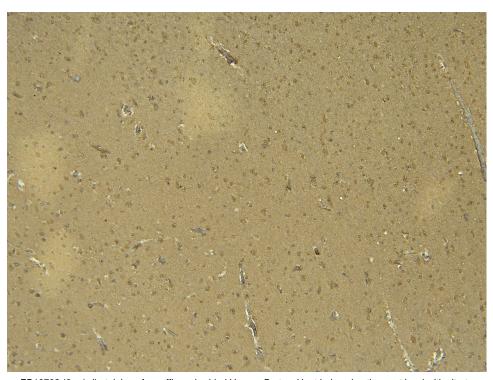


EB10782 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

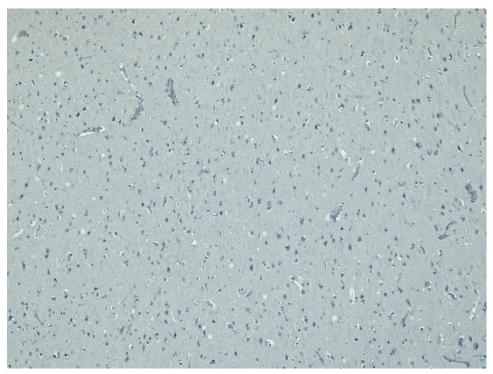


EB10782 Flow cytometric analysis of paraformaldehyde fixed Kelly cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB10782 (6µg/ml) staining of paraffin embedded Human Cortex. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



 ${\sf EB10782\ Negative\ Control\ showing\ staining\ of\ paraffin\ embedded\ Human\ Cortex,\ with\ no\ primary\ antibody.}$