



## UK Office

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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 DRSHCQSLRFHQ, 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.

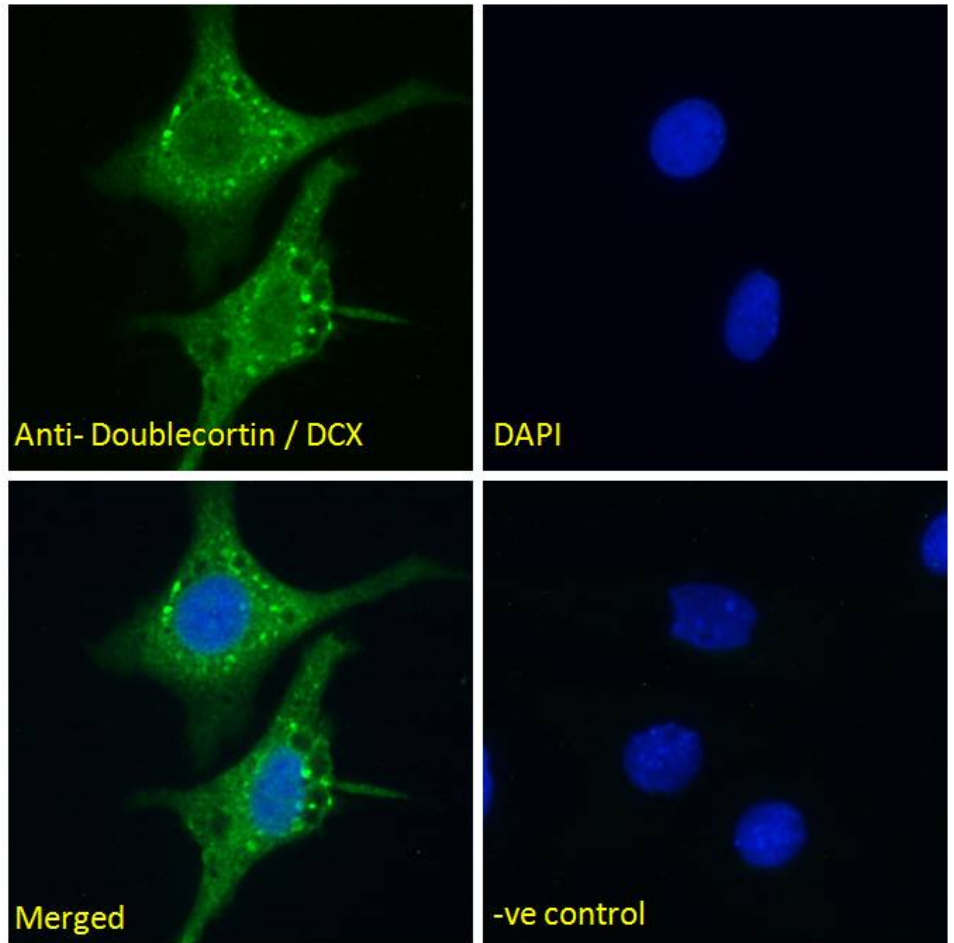
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of HepG2 cells. Recommended concentration: 10µg/ml.

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

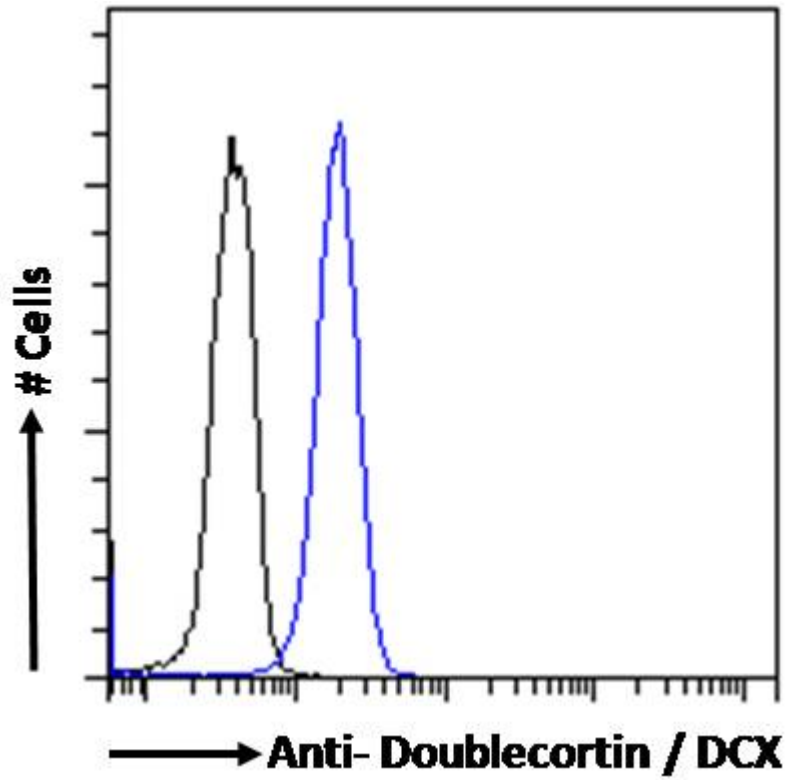
### Species Reactivity

**Tested:** Human

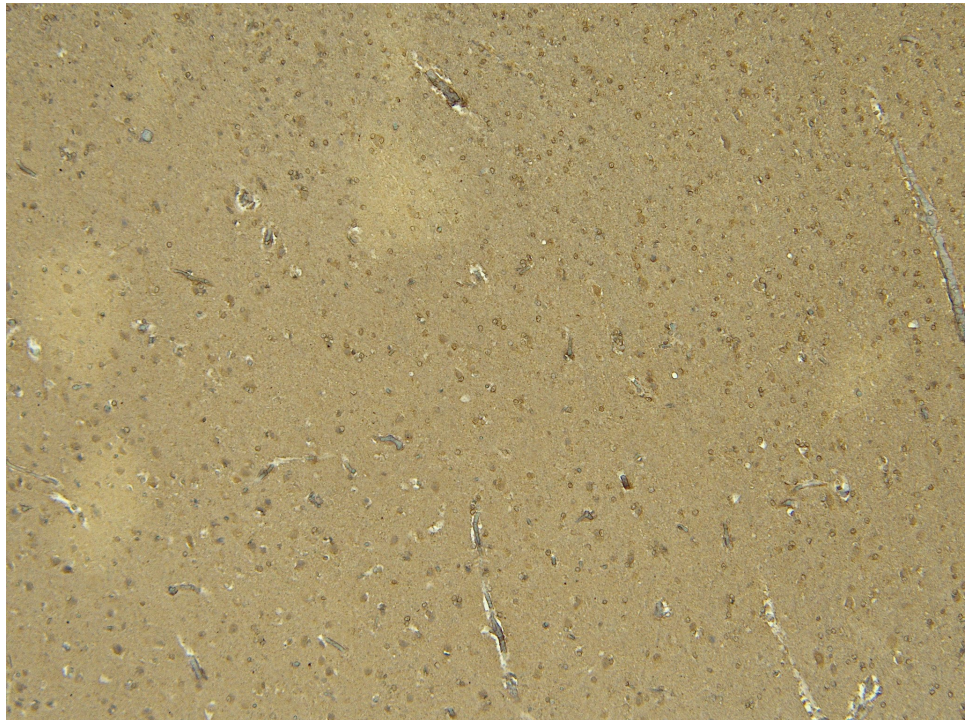
**Expected from sequence similarity:** Human, Cow



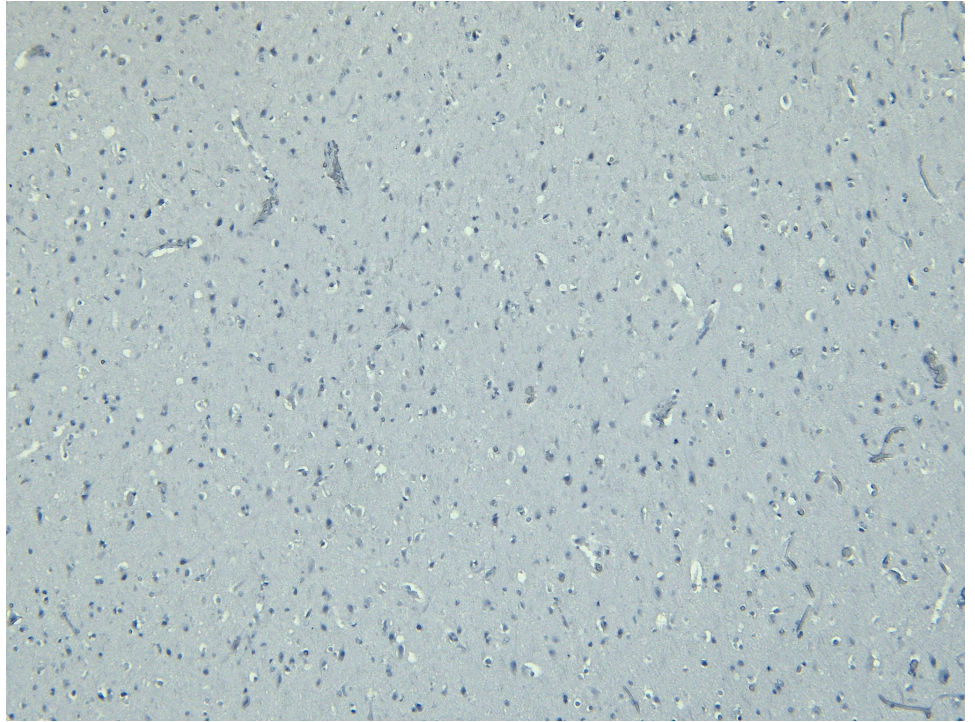
EB10782 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (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 (6 $\mu$ g/ml) staining of paraffin embedded Human Cortex. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB10782 Negative Control showing staining of paraffin embedded Human Cortex, with no primary antibody.