

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB11639 - Goat Anti-Doublecortin (mouse) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** Dbct, Dcx, doublecortex, doublecortin, doublin, lissencephalin-X, lissencephaly, X-linked (doublecortin), lis-X, neuronal migration protein doublecortin, OTTMUSP00000020394, OTTMUSP00000020395, OTTMUSP00000020396, OTTMUSP00000020397

**Official Symbol:** Dcx

**Accession Number(s):** NP\_001103692.1; NP\_001103694.1; NP\_034155.2

**Human GeneID(s):** [1641](#)

**Non-Human GeneID(s):** 13193 (mouse), 84394 (rat)

**Important Comments:** This antibody is expected to recognize all reported mouse isoforms (NP\_001103692.1; NP\_001103694.1; NP\_034155.2). Reported variants represent identical protein: NP\_001103692.1, NP\_001103693.1

### Immunogen

Peptide with sequence C-PKASPTPQKTSAKS, from the internal region of the protein sequence according to NP\_001103692.1; NP\_001103694.1; NP\_034155.2.

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 1:128000.

**Western blot:** Approx 40kDa band observed in Mouse fetal Brain lysates (calculated MW of 40.6kDa according to NP\_001103692.1). Recommended concentration: 0.5-2µg/ml. Primary incubation was 1 hour.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of HepG2 cells. Recommended concentration: 5µg/ml

### Species Reactivity

**Tested:** Human, Mouse

**Expected from sequence similarity:** Human, Mouse, Rat

EB11639 (0.5µg/ml) staining of Mouse fetal Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB11639 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).