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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 GenelD(s): 1641

Non-Human GenelD(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.

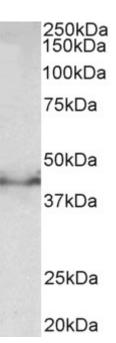
Western blot: Approx 40kDa band observed in Mouse fetal Brain lysates (calculated MW of 40.6kDa according to NP_001103692.1). Recommended concentration: 0.5-2μg/ml. Primary incubation was 1 hour.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HepG2 cells. Recommended concentration: $5\mu g/ml$

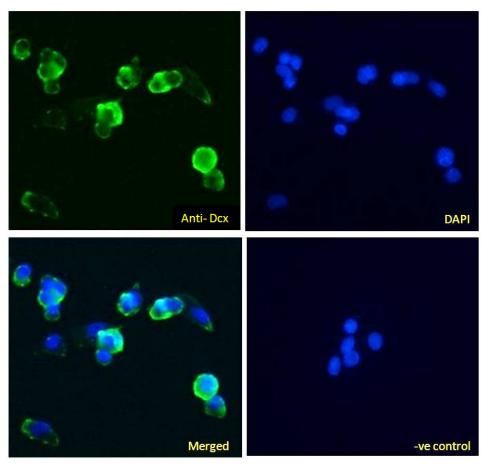
Species Reactivity

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).