



## UK Office

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

## EB09516 - Goat Anti-NUDC Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** NUDC, nuclear distribution gene C homolog (A. nidulans), HNUDC, MNUDC, NPD011, OTTHUMP00000004405, nuclear distribution gene C homolog

**Official Symbol:** NUDC

**Accession Number(s):** NP\_006591.1

**Human GeneID(s):** [10726](#)

**Non-Human GeneID(s):** 18221 (mouse), 29648 (rat)

### Immunogen

Peptide with sequence C-PNLGNGADLPNYR, from the internal region of the protein sequence according to NP\_006591.1.

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 1:32000.

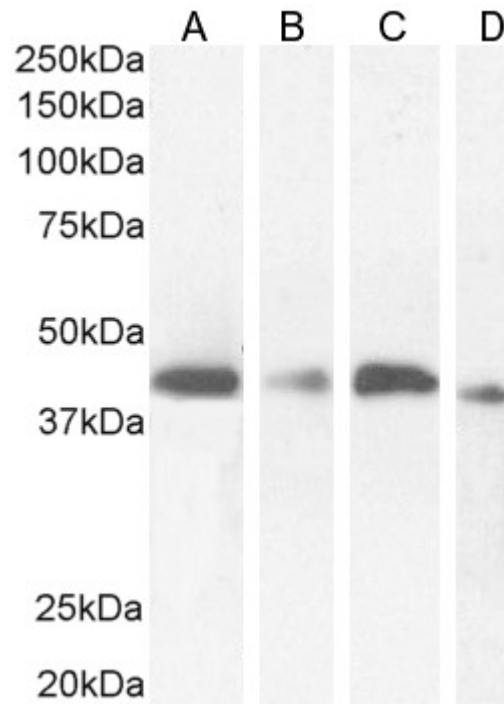
**Western blot:** Approx 40kDa band observed in lysates of cell lines HeLa, HepG2 and K562, and approx. 38kDa in lysates of cell line KNRK (calculated MW of 38.2kDa according to Human NP\_006591.1) and 38.4kDa according to Rat NP\_058967.1). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of A431 cells. Recommended concentration: 10µg/ml.

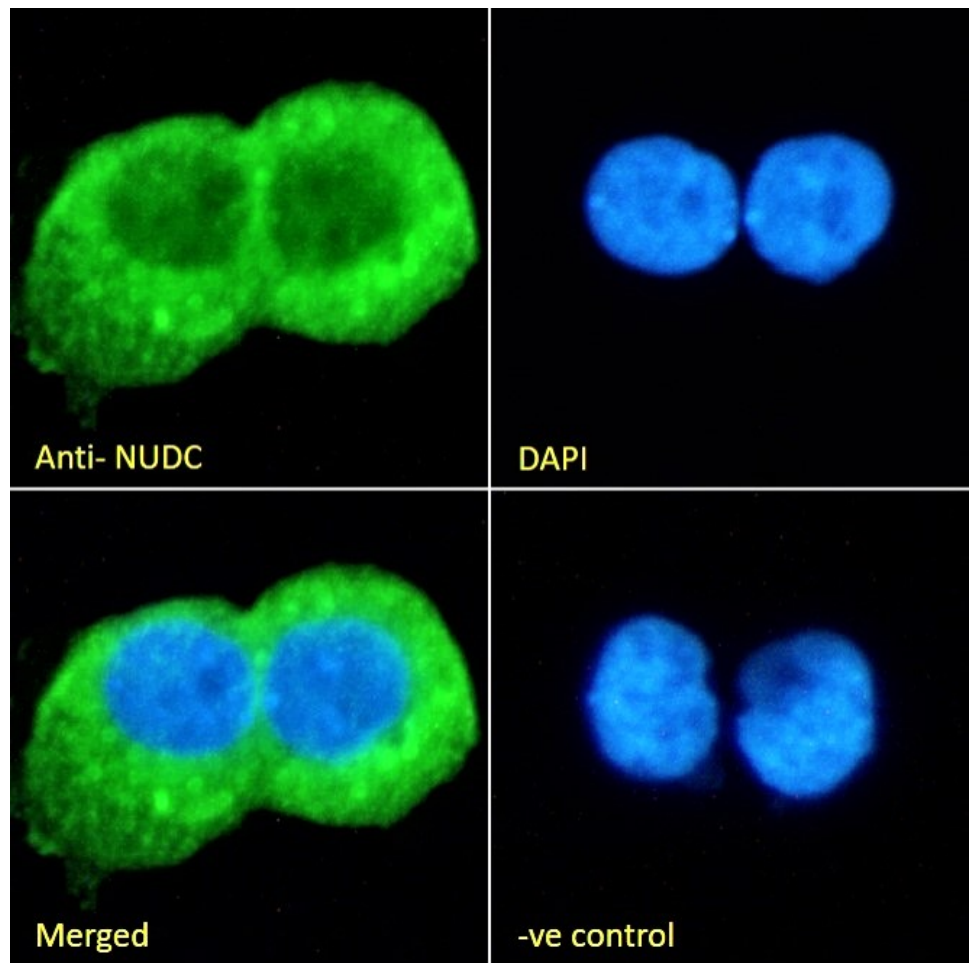
### Species Reactivity

**Tested:** Human, Rat

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



EB09516 (0.5 $\mu$ g/ml) staining of HeLa (A), HepG2 (B), K562 (C) and KNRK (D) cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB09516 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 $\mu$ g/ml) followed by Alexa

Fluor 488 secondary antibody (2ug/ml).