

## UK Office

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

## EB05827 - Goat Anti-Neuro-d4 / DPF1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** DPF1, NEUD4, neuro-d4, D4, zinc and double PHD fingers family 1, Neuro-d4 (rat) homolog, D4, zinc and double PHD fingers, family 1, MGC150428, MGC150429, BAF45b, OTTHUMP00000211615, neuro-d4 homolog

**Official Symbol:** DPF1

**Accession Number(s):** NP\_001128627.1; NP\_004638.2; NP\_001128628.1

**Human GeneID(s):** [8193](#)

**Non-Human GeneID(s):** 29861 (mouse), 50545 (rat)

**Important Comments:** This antibody is expected to recognize all three reported isoforms (NP\_001128627.1; NP\_004638.2; NP\_001128628.1).

### Immunogen

Peptide with sequence C-HLKEKASAYITLT, from the C Terminus of the protein sequence according to NP\_001128627.1; NP\_004638.2; NP\_001128628.1.

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 1:2000.

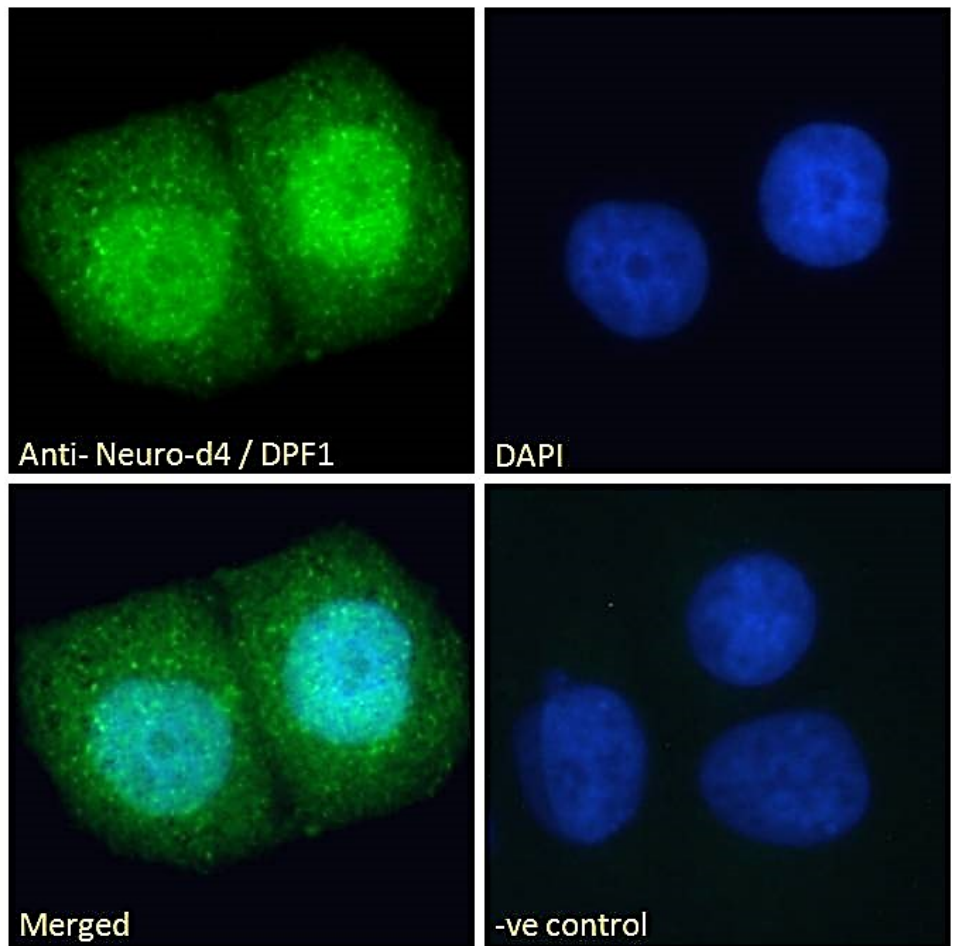
**Western blot:** Preliminary experiments showed a band at approx 38-40kDa in Human Cerebellum and Frontal Cortex lysates after 0.3-1µg/ml antibody staining (calculated MW of 37.9kDa according to NP\_001128628.1. Primary incubation 1 hour at room temperature.

**Immunofluorescence:** Strong expression of the protein seen in the nuclei and weaker staining in the cytoplasm of MCF7 and U2OS cells. Recommended concentration: 10µg/ml.

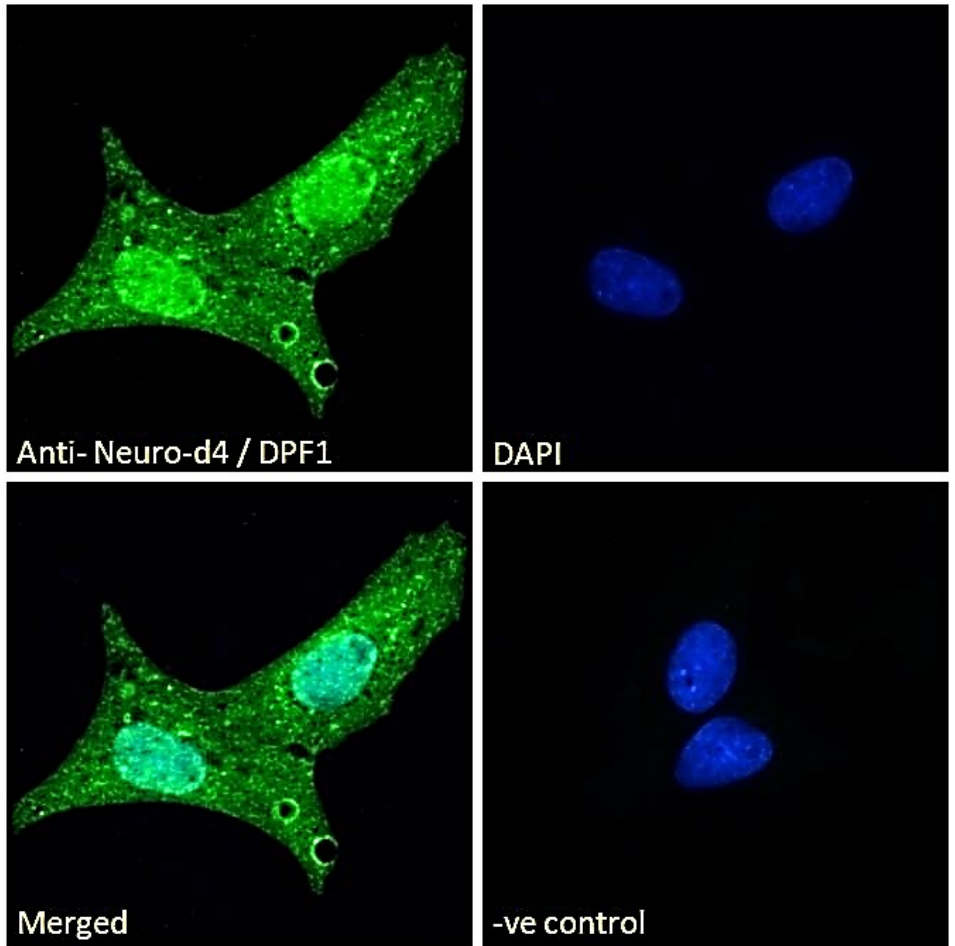
### Species Reactivity

**Tested:** Human

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



EB05827 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong nuclear and weak cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB05827 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong nuclear and weak cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).