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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 GenelD(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.

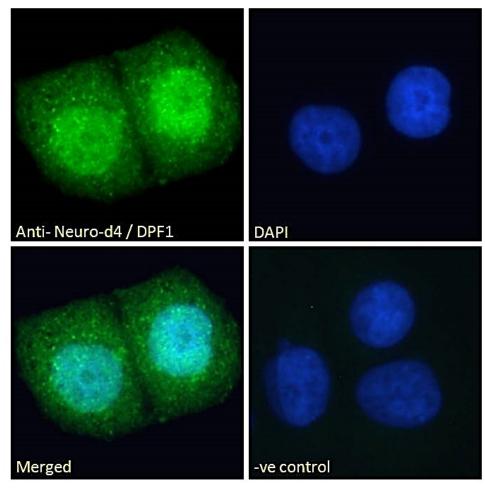
Western blot: Preliminary experiments showed a band at approx 38-40kDa in Human Cerebellum and Frontal Cortex lysates after 0.3-1µg/ml antibody staining (calculated MW of 37.9kDa according to NP_001128628.1. Primary incubation 1 hour at room temperature.

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.

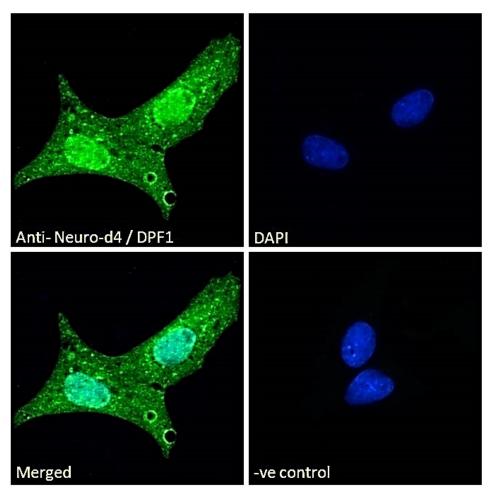
Species Reactivity

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).