

**Neuro-d4 / DPF1 Antibody (C-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2313a****Specification**

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**Neuro-d4 / DPF1 Antibody (C-Term) - Product Information**

Application	WB
Primary Accession	<a href="#">Q92782</a>
Other Accession	<a href="#">NP_001128627.1</a> , <a href="#">NP_004638.2</a> , <a href="#">NP_001128628.1</a> , <a href="#">8193</a> , <a href="#">29861 (mouse)</a> , <a href="#">50545 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	44128

**Neuro-d4 / DPF1 Antibody (C-Term) - Additional Information****Gene ID** 8193**Other Names**

Zinc finger protein neuro-d4, BRG1-associated factor 45B, BAF45B, D4, zinc and double PHD fingers family 1, DPF1, BAF45B, NEUD4

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Neuro-d4 / DPF1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Neuro-d4 / DPF1 Antibody (C-Term) - Protein Information****Name** DPF1 ([HGNC:20225](#))**Synonyms** BAF45B, NEUD4**Function**

May have an important role in developing neurons by participating in regulation of cell survival, possibly as a neurospecific transcription factor. Belongs to the neuron-specific chromatin

remodeling complex (nBAF complex). During neural development a switch from a stem/progenitor to a postmitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural stem/progenitor cells to postmitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron-specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural stem cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth (By similarity).

#### Cellular Location

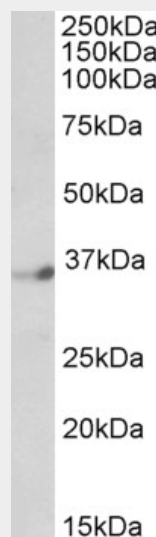
Cytoplasm. Nucleus.

### Neuro-d4 / DPF1 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Neuro-d4 / DPF1 Antibody (C-Term) - Images



AF2313a(1 µg/ml) staining of Human Brain (Cerebellum) lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Neuro-d4 / DPF1 Antibody (C-Term) - Background

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

**Neuro-d4 / DPF1 Antibody (C-Term) - References**

The d4 gene family in the human genome. Chestkov AV, Baka ID, Kost MV, Georgiev GP, Buchman VL. Genomics. 1996 Aug 15;36(1):174-7. PMID: 8812431