

DPF1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17526c**Specification**

DPF1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q92782
Other Accession	P56163 , Q9OX66 , NP_004638.2 , NP_001128628.1
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	44128
Antigen Region	220-247

DPF1 Antibody (Center) - 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

Target/Specificity

This DPF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 220-247 amino acids from the Central region of human DPF1.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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

Precautions

DPF1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

DPF1 Antibody (Center) - 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).

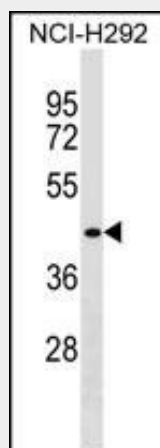
Cellular Location

Cytoplasm. Nucleus.

DPF1 Antibody (Center) - 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](#)

DPF1 Antibody (Center) - Images

DPF1 Antibody (Center) (Cat. #AP17526c) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the DPF1 antibody detected the DPF1 protein (arrow).

DPF1 Antibody (Center) - Background

DPF1 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 post-mitotic 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 post-mitotic 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).

DPF1 Antibody (Center) - References

Gudmundsson, J., et al. Nat. Genet. 41(10):1122-1126(2009)
Chestkov, A.V., et al. Genomics 36(1):174-177(1996)