

**DPF3 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP5430C****Specification**

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**DPF3 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q92784</a>
Other Accession	<a href="#">P58270</a> , <a href="#">NP_036206.3</a>
Reactivity	Human
Predicted	Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	43084
Antigen Region	143-171

**DPF3 Antibody (Center) - Additional Information****Gene ID** 8110**Other Names**

Zinc finger protein DPF3, BRG1-associated factor 45C, BAF45C, Zinc finger protein cer-d4, DPF3, BAF45C, CERD4

**Target/Specificity**

This DPF3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 143-171 amino acids from the Central region of human DPF3.

**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**

DPF3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**DPF3 Antibody (Center) - Protein Information****Name** DPF3

**Synonyms** BAF45C, CERD4

**Function** 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). Muscle-specific component of the BAF complex, a multiprotein complex involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). Specifically binds acetylated lysines on histone 3 and 4 (H3K14ac, H3K9ac, H4K5ac, H4K8ac, H4K12ac, H4K16ac). In the complex, it acts as a tissue-specific anchor between histone acetylations and methylations and chromatin remodeling. It thereby probably plays an essential role in heart and skeletal muscle development.

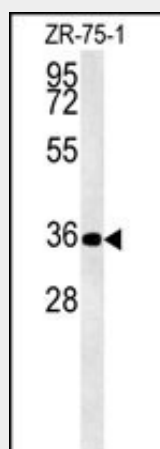
**Cellular Location**

Nucleus.

**DPF3 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](#)

**DPF3 Antibody (Center) - Images**

DPF3 Antibody (Center)(Cat. #AP5430c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the DPF3 antibody detected the DPF3 protein (arrow).

**DPF3 Antibody (Center) - References**

Lange, M., et al. Genes Dev. 22(17):2370-2384(2008)  
Vieira, A.R., et al. Genet. Med. 10(9):668-674(2008)  
Hoyal, C.R., et al. J Carcinog 4, 13 (2005) :  
Ninkina, N.N., et al. Mamm. Genome 12(11):862-866(2001)  
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Chestkov, A.V., et al. Genomics 36(1):174-177(1996)