

DPF3 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI10123

Product Information

Application	WB
Primary Accession	Q92784
Other Accession	Q92784 , NP_036206 , NM_012074
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43084

Additional Information

Gene ID	8110
Alias Symbol	CERD4, FLJ14079
Other Names	Zinc finger protein DPF3, BRG1-associated factor 45C, BAF45C, Zinc finger protein cer-d4, DPF3, BAF45C, CERD4
Target/Specificity	DPF3 is a 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). DPF3 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.
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-DPF3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	DPF3 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

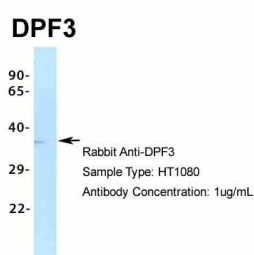
Name	DPF3
Synonyms	BAF45C, CERD4

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.

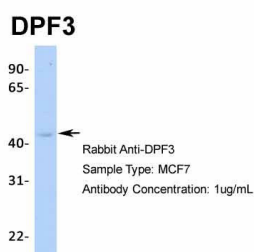
Background

This is a rabbit polyclonal antibody against DPF3. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).

Images



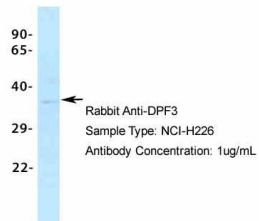
DPF3 antibody - middle region (AI10123) in Human HT1080 cells using Western Blot
Host: Rabbit
Target Name: DPF3
Sample Tissue: HT1080
Antibody Dilution: 1.0 µg/ml



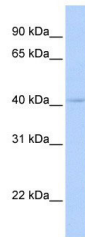
DPF3 antibody - middle region (AI10123) in Human MCF7 cells using Western Blot
Host: Rabbit
Target Name: DPF3
Sample Tissue: MCF7
Antibody Dilution: 1.0 µg/ml

DPF3 antibody - middle region (AI10123) in Human NCI-H226 cells using Western Blot
Host: Rabbit
Target Name: DPF3
Sample Tissue: NCI-H226

DPF3



Antibody Dilution: 1.0 µg/ml DPF3 is supported by BioGPS gene expression data to be expressed in NCIH226



DPF3 antibody - middle region (AI10123) in Human MCF-7 cells using Western Blot

WB Suggested Anti-DPF3 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:12500

Positive Control: MCF7 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.