

Product datasheet

Anti-DPF3 antibody ab85360

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Overview

Product name	Anti-DPF3 antibody
Description	Rabbit polyclonal to DPF3
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Horse, Guinea pig, Cow, Dog, Pig 
Immunogen	Synthetic peptide corresponding to Human DPF3 aa 108-157. Sequence: KDGFTSESTTLEALLRGEGVEKKVDAREEESIQEIQRV LENDENVEEGNE Database link: NP_036206  Run BLAST with  Run BLAST with
Positive control	MCF7 cell lysate
General notes	Previously labelled as CERD4.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS
Purity	Immunogen affinity purified
Purification notes	Purified by peptide affinity chromatography method.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab85360** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★☆☆☆☆	Use a concentration of 1 µg/ml. Predicted molecular weight: 43 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Target

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.

Sequence similarities

Belongs to the requiem/DPF family.
Contains 1 C2H2-type zinc finger.
Contains 2 PHD-type zinc fingers.

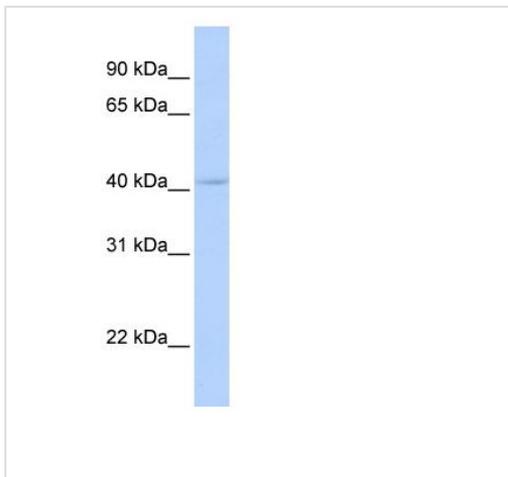
Domain

The PHD-type zinc fingers mediate the binding to acetylated histones.

Cellular localization

Nucleus.

Images



Western blot - Anti-DPF3 antibody (ab85360)

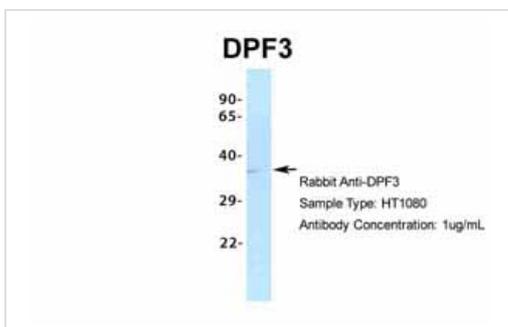
Anti-DPF3 antibody (ab85360) at 1 µg/ml (in 5% skim milk / PBS buffer) + MCF7 cell lysate at 10 µg

Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

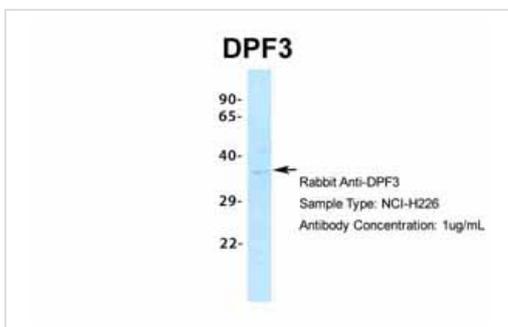
Predicted band size: 43 kDa

Observed band size: 43 kDa



Western blot - Anti-DPF3 antibody (ab85360)

Western Blot using ab85360 at 1.0ug/ml. Sample type: Human HT1080 cell Lysate



Western blot - Anti-DPF3 antibody (ab85360)

Western Blot using ab85360 at 1.0ug/ml. Sample type: Human NCI-H226 cell Lysate

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