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## Datasheet for ABIN5675568 anti-DPF3 antibody (AA 1-100) (Biotin)



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Quantity:	100 µL
Target:	DPF3
Binding Specificity:	AA 1-100
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DPF3 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CERD4
lsotype:	lgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Cow,Pig,Rabbit
Purification:	Purified by Protein A.
Target Details	
Target:	DPF3
Alternative Name:	CERD4 (DPF3 Products)

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Target Details	
Background:	Synonyms: Zinc finger protein DPF3, DPF3, BRG1-associated factor 45C, BAF45C, Zinc finger
	protein cer-d4, BAF45C, CERD4
	Background: 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 neura
	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.
Gene ID:	8110
UniProt:	Q92784
Application Details	
Application Notes:	WB 1:300-5000
	IHC-P 1:200-400
	IHC-F 1:100-500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and
	50 % Glycerol.

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## Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months