DPF1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DPF1, Polyclonal Antibody
Full Product Name	DPF1, ID (DPF1, BAF45B, NEUD4, Zinc finger protein neuro-d4, BRG1-associated factor 45B, D4, zinc and double PHD fingers family 1) (MaxLight 490)
Product Gene Name	anti-DPF1 antibody
Product Synonym Names	DPF1; BAF45B; NEUD4; Zinc finger protein neuro-d4; BRG1-associated factor 45B; D4; zinc and double PHD fingers family 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	37,869 Da
OMIM	601670
3D Structure	ModBase 3D Structure for Q92782
Immunogen	DPF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 219-247 amino acids from the Central region of human DPF1.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-DPF1 antibody	Antibodies; Transcription Factors; Zinc (Ring) Finger
Applications Tested/Suitable for anti-DPF1 antibody	Western Blot (WB), FLISA
Application Notes for anti-DPF1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.

Related Product Information for anti-DPF1 antibody	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).
Product References and Citations for anti-DPF1 antibody	Gudmundsson, J., et al. Nat. Genet. 41(10):1122-1126(2009). Chestkov, A.V., et al. Genomics 36(1):174-177(1996).
Other Notes	Small volumes of anti-DPF1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DPF1 purchase	MBS6293307 is an antibody targeting DPF1. Also known as DPF1, ID (DPF1, BAF45B, NEUD4, Zinc finger protein neuro-d4, BRG1-associated factor 45B, D4, zinc and double PHD fingers family 1) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DPF1. It may not necessarily be applicable to this product.

NCBI GI #	205830432
NCBI GeneID	8193
NCBI Accession #	NP_004638.2
NCBI Related Accession #	NP_001128628.1
UniProt Primary Accession #	Q92782
UniProt Secondary Accession #	Q08AJ0; B3KSY8
UniProt Related Accession #	Q92782
GenBank Nucleotide #	NM_004647.3
NCBI Official Full Name	zinc finger protein neuro-d4 isoform b
NCBI Official Synonym Full Names	double PHD fingers 1
NCBI Official Symbol	DPF1
NCBI Official Synonym Symbols	NEUD4; BAF45b; neuro-d4
UniProt Protein Name	Zinc finger protein neuro-d4
UniProt Synonym Protein Names	BRG1-associated factor 45B; BAF45B; D4, zinc and double PHD fingers family 1
Protein Family	Zinc finger protein
UniProt Gene Name	DPF1
UniProt Synonym Gene Names	BAF45B; NEUD4; BAF45B
UniProt Entry Name	DPF1_HUMAN
NCBI Protein Information	zinc finger protein neuro-d4
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