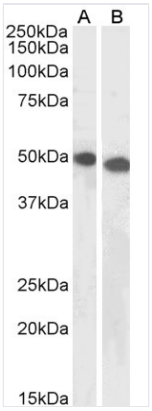
DPF2 Antibody – Goat Polyclonal

PRODUCT OVERVIEW

Product Name	DPF2, Polyclonal Antibody
Full Product Name	Goat anti DPF2
Product Gene Name	anti-DPF2 antibody
Product Synonym Names	DPF2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Goat
Species Reactivity	Human
Form/Format	TRIS buffered saline 0.02% Sodium Azide 0.5% Bovine Serum Albumin Purified IgG - liquid
Purity/Purification	Antisera to human DPF2 were raised by repeated immunizations of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Concentration	IgG concentration 0.5mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C only. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.
Molecular Weight	44,155 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (65101225..65120451). Location: 11q13
OMIM	601671
3D Structure	ModBase 3D Structure for Q92785
Immunogen	Peptide with sequence C-QPPTPVSQRSEEQKS, from the internal region of the protein sequence according to NP_006259.1
Applications Tested/Suitable for anti-DPF2 antibody	Immunohistology-Paraffin (P), Western Blot (WB)
Application Notes for anti-DPF2 antibody	P: 5ug/ml WB: 1ug/ml to 3ug/ml
Related Product Information for anti-DPF2 antibody	Goat anti DPF2 antibody recognizes zinc finger protein ubi-d4, also known as BAF45D, REQ, and UBID4. DPF2 is a plant homeodomain (PHD) finger protein with roles in apoptosis, noncanonical NF-kappaB signaling and oncogenesis (Liu et al. 2015). It acts as an adaptor protein, linking RelB/p52 with the SWI/SNF chromatin-remodeling complex (Shin et al. 2017). In human tissues, DPF2 is ubiquitously expressed but was discovered as being required for apoptosis in myeloid cells. Furthermore, this protein appears to play a role in inhibiting the differentiation of myeloid cells. DPF2 is associated with multiple human cancers including cervical cancer and acute myelogenous leukemia (AML) (Huber et al. 2017). DPF2 also appears to play a role in influenza infection, with knockdown of DPF2 leading to decreased infectivity of the virus (Shin et al. 2017).

Other Notes	Small volumes of anti-DPF2 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 DPF2 purchase	MBS226145 is an antibody targeting DPF2. Also known as Goat anti DPF2. Reactive in Human. Host: Goat.



Western Blot (WB) of anti-DPF2 antibody
Western blot analysis of A) Jurkat and B) K562 cell lysates (35ug protein in RIPA buffer) probed with DPF2 antibody (1ug/ml,MBS226145) and detected by chemiluminescence.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DPF2. It may not necessarily be applicable to this product.

NCBI GI #	5454004
NCBI GeneID	5977
NCBI Accession #	NP_006259.1
UniProt Primary Accession #	Q92785
UniProt Secondary Accession #	A8K7C9
UniProt Related Accession #	Q92785
GenBank Nucleotide #	NM_006268.4
NCBI Official Full Name	zinc finger protein ubi-d4
NCBI Official Synonym Full Names	D4, zinc and double PHD fingers family 2
NCBI Official Symbol	DPF2
NCBI Official Synonym Symbols	REQ; UBID4; ubi-d4
UniProt Protein Name	Zinc finger protein ubi-d4
UniProt Synonym Protein Names	Apoptosis response zinc finger protein; BRG1-associated factor 45D; BAF45D; D4, zinc and double PHD fingers family 2; Protein requiem
Protein Family	Zinc finger protein
UniProt Gene Name	DPF2
UniProt Synonym Gene Names	BAF45D; REQ; UBID4; BAF45D
UniProt Entry Name	REQU_HUMAN
NCBI Protein Information	zinc finger protein ubi-d4; BAF45D; protein requiem; BRG1-associated factor 45D; apoptosis response zinc finger protein; requiem, apoptosis response zinc finger

NCBI Summary for DPF2	The protein encoded by this gene is a member of the d4 domain family, characterized by a zinc finger-like structural motif. This protein functions as a transcription factor which is necessary for the apoptotic response following deprivation of survival factors. It likely serves a regulatory role in rapid hematopoietic cell growth and turnover. This gene is considered a candidate gene for multiple endocrine neoplasia type I, an inherited cancer syndrome involving multiple parathyroid, enteropancreatic, and pituitary tumors. [provided by RefSeq, Jul 2008]
UniProt Comments for DPF2	requiem: May be a transcription factor required for the apoptosis response following survival factor withdrawal from myeloid cells. Might also have a role in the development and maturation of lymphoid cells. Belongs to the requiem/DPF family. Protein type: Apoptosis; C2H2-type zinc finger protein Chromosomal Location of Human Ortholog: 11q13 Cellular Component: nucleoplasm; centrosome; intracellular membrane-bound organelle; cytoplasm; nuclear chromatin Molecular Function: zinc ion binding Biological Process: regulation of transcription, DNA-dependent; transcription, DNA-dependent; apoptosis
Research Articles on DPF2	**1.** crystal structure of the C2H2-type zinc finger domain of human DPF2 with a canonical C2H2 fold, which contains two beta strands and one alpha helix, was reported.
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