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DPF2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1451a

Product Information

Application	WB, E
Primary Accession	Q92785
Other Accession	Q61103, P58268, Q9W636, Q9W638
Reactivity	Human
Predicted	Xenopus, Chicken, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB12540
Calculated MW	44155
Antigen Region	64-94

Additional Information

Gene ID	5977
Other Names	Zinc finger protein ubi-d4, Apoptosis response zinc finger protein, BRG1-associated factor 45D, BAF45D, D4, zinc and double PHD fingers family 2, Protein requiem, DPF2, BAF45D, REQ, UBID4
Target/Specificity	This DPF2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 64-94 amino acids from the N-terminal region of human DPF2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DPF2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DPF2
Synonyms	BAF45D, REQ, UBID4

Function	Plays an active role in transcriptional regulation by binding modified histones H3 and H4 (PubMed:27775714, PubMed:28533407). Is a negative regulator of myeloid differentiation of hematopoietic progenitor cells (PubMed:28533407). Might also have a role in the development and maturation of lymphoid cells (By similarity). Involved in the regulation of non-canonical NF-kappa-B pathway (PubMed:20460684).
Cellular Location	Nucleus. Cytoplasm
Tissue Location	Ubiquitous.

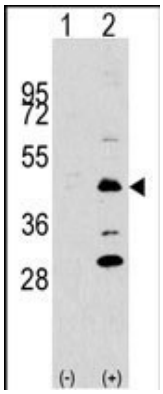
Background

DPF2 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. DPF2 gene is considered a causal candidate for multiple endocrine neoplasia type I, an inherited cancer syndrome involving multiple parathyroid, enteropancreatic, and pituitary tumors.

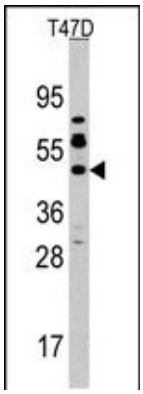
References

Olsen,J.V.,Cell 127 (3), 635-648 (2006)
Beausoleil,S.A.,Proc. Natl. Acad. Sci. U.S.A. 101 (33), 12130-12135 (2004)

Images



Western blot analysis of DPF2 (arrow) using rabbit polyclonal DPF2 Antibody (N-term)(Cat.#AP1451a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the DPF2 gene (Lane 2) (Origene Technologies).



Western blot analysis of anti-DPF2 Antibody (N-term) (Cat.#AP1451a) in T47D cell line lysates (35ug/lane). DPF2 (arrow) was detected using the purified Pab.

Citations

- First proteome study of sporadic flowering in bamboo species (Bambusa vulgaris and Dendrocalamus manipureanus)

reveal the boom is associated with stress and mobile genetic elements.