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DPF2 antibody (Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM1897a

Product Information

Application	WB, E
Primary Accession	Q92785
Other Accession	NP_006259.1
Reactivity	Human, Hamster
Host	Mouse
Clonality	Monoclonal
Isotype	IgG3,K
Clone Names	226CT14.1.1.2
Calculated MW	44155

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 monoclonal antibody is generated from mouse immunized with DPF2 recombinant protein.
Dilution	WB~~1:1000~32000 E~~Use at an assay dependent concentration.
Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
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 (Ascites) 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.

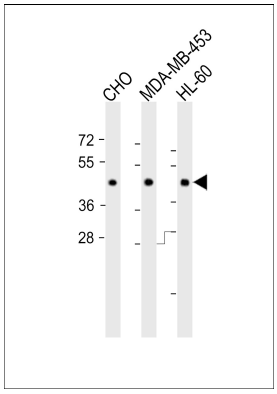
Background

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.

References

Tando, T., et al. J. Biol. Chem. 285(29):21951-21960(2010)
Matsuyama, R., et al. J. Biol. Chem. 285(24):18166-18176(2010)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)
Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)

Images



All lanes : Anti-DPF2 antibody (Ascites) at 1:8000 dilution Lane 1: CHO whole cell lysate Lane 2: MDA-MB-453 whole cell lysate Lane 3: HL-60 whole cell lysate Secondary Goat Anti-mouse IgG, (H+L),Peroxidase conjugated at 1/10000 dilution. Predicted band size : 44155 Da Blocking/Dilution buffer: 5% NFDM/TBST.