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PPAN Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13950b

Product Information

Application	WB, E
Primary Accession	Q9NQ55
Other Accession	NP_001035754.1, NP_064615.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24194
Calculated MW	53194
Antigen Region	422-450

Additional Information

Gene ID	56342;692312
Other Names	Suppressor of SWI4 1 homolog, Ssf-1, Brix domain-containing protein 3, Peter Pan homolog, PPAN, BXDC3, SSF1
Target/Specificity	This PPAN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 422-450 amino acids from the C-terminal region of human PPAN.
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 purified through a protein A column, followed by peptide affinity purification.
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	PPAN Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PPAN
Synonyms	BXDC3, SSF1
Function	May have a role in cell growth.

Cellular Location Nucleus, nucleolus.

Tissue Location Widely expressed.

Background

The protein encoded by this gene is an evolutionarily conserved protein similar to yeast SSF1 as well as to the gene product of the Drosophila gene peter pan (ppan). SSF1 is known to be involved in the second step of mRNA splicing. Both SSF1 and ppan are essential for cell growth and proliferation. Exogenous expression of this gene was reported to reduce the anchorage-independent growth of some tumor cells. Read-through transcription of this gene with P2RY11/P2Y(11), an adjacent downstream gene that encodes an ATP receptor, has been found. These read-through transcripts are ubiquitously present and up-regulated during granulocyte differentiation.

References

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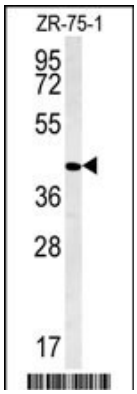
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Nousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006)
Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)
Duhant, X., et al. J. Immunol. 169(1):15-21(2002)

Images



PPAN Antibody (C-term) (Cat. #AP13950b) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the PPAN antibody detected the PPAN protein (arrow).