PPAN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PPAN, Polyclonal Antibody
Full Product Name	PPAN, CT (PPAN, BXDC3, SSF1, Suppressor of SWI4 1 homolog, Brix domain-containing protein 3, Peter Pan homolog) (MaxLight 490)
Product Gene Name	anti-PPAN antibody
Product Synonym Names	PPAN; BXDC3; SSF1; Suppressor of SWI4 1 homolog; Brix domain-containing protein 3; Peter Pan homolog
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	58,199 Da
OMIM	607793
3D Structure	ModBase 3D Structure for Q9NQ55
Immunogen	PPAN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 421-450 amino acids from the C-terminal region of human PPAN.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-PPAN antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-PPAN antibody	Western Blot (WB), FLISA
Application Notes for anti-PPAN antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-PPAN antibody	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.
Product References and Citations for anti-PPAN antibody	Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007). 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).

Other Notes	Small volumes of anti-PPAN 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 PPAN purchase	MBS6336088 is an antibody targeting PPAN. Also known as PPAN, CT (PPAN, BXDC3, SSF1, Suppressor of SWI4 1 homolog, Brix domain-containing protein 3, Peter Pan homolog) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	99028871
NCBI GeneID	692312
NCBI Accession #	NP_001035754.1
NCBI Related Accession #	NP_064615.3
UniProt Primary Accession #	Q9NQ55
UniProt Secondary Accession #	Q9BW97; Q9H170; C9J3F9
GenBank Nucleotide #	NM_001040664.2
NCBI Official Full Name	PPAN-P2RY11 protein isoform 1
NCBI Official Synonym Full Names	PPAN-P2RY11 readthrough
NCBI Official Symbol	PPAN-P2RY11
UniProt Protein Name	Suppressor of SWI4 1 homolog
UniProt Synonym Protein Names	Brix domain-containing protein 3; Peter Pan homolog
Protein Family	Peter Pan-like protein
UniProt Gene Name	PPAN
UniProt Synonym Gene Names	BXDC3; SSF1; Ssf-1
UniProt Entry Name	SSF1_HUMAN
NCBI Protein Information	PPAN-P2RY11 protein
NCBI Summary for PPAN	This locus represents naturally occurring read-through transcription between the adjacent PPAN and P2RY11 genes. Alternative splicing results in two transcript variants, one of which encodes a fusion protein that shares sequence identity with each individual gene product. This transcript is found to be ubiquitously expressed and is up-regulated by agents inducing granulocytic differentiation. However, its functional significance in vivo remains unclear. [provided by RefSeq, Nov 2010]
UniProt Comments for PPAN	SSF1: May have a role in cell growth. 2 isoforms of the human protein are produced by alternative splicing. Protein type: RNA-binding; Nucleolus Chromosomal Location of Human Ortholog: 19p13 Cellular Component: nucleolus; nucleus Biological Process: RNA splicing
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