

## ARG43912 anti-PPAN antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PPAN
Tested Reactivity	Hu
Tested Application	ELISA, FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PPAN
Species	Human
Immunogen	Human PPAN recombinant protein
Conjugation	Un-conjugated
Alternate Names	PPAN; Peter Pan Homolog; BXDC3; SSF1; SSF2; SSF; Brix Domain-Containing Protein 3; Suppressor Of SWI4 1 Homolog; Peter Pan (Drosophila) Homolog; Peter Pan Homolog (Drosophila); Homolog Of S. Cerevisiae SSF1; Second-Step Splicing Factor 1; Suppressor Of Sterile Four 1; SSF-1; Ssf-1

### Application Instructions

Application table	Application	Dilution
	ELISA	0.1-0.5 µg/ml
	FACS	1-3 µg/1x10 <sup>6</sup> cells
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

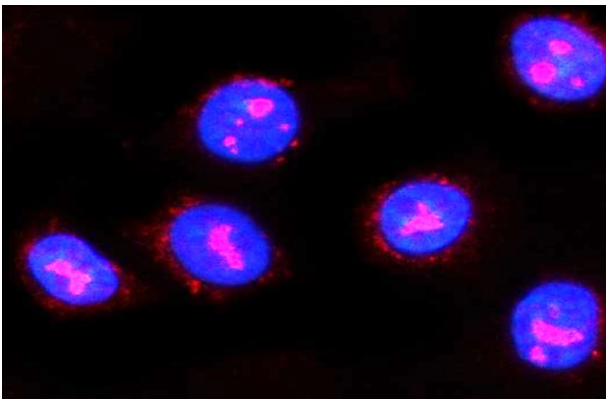
### Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

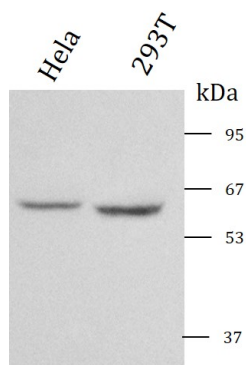
Gene Symbol	PPAN
Gene Full Name	Peter Pan Homolog
Background	The protein encoded by this gene is an evolutionarily conserved protein similar to yeast SSF1 as well as to the gene product of the <i>Drosophila</i> gene <i>peter pan</i> ( <i>ppan</i> ). SSF1 is known to be involved in the second step of mRNA splicing. Both SSF1 and <i>ppan</i> 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.
Function	A chimeric transcript, characterized by the first third of PPAN exon 12 joined to P2RY11 exon 2, has been detected. It is possibly produced by trans-splicing. The chimeric transcript is widely expressed and can be induced by retinoic acid during the granulocytic differentiation of the HL-60 cell line. The resulting chimeric protein shows a much lower activity than the non-chimeric P2RY11 gene product, but qualitatively indistinguishable.
Calculated Mw	53 kDa
PTM	Acetylation, Phosphoprotein
Cellular Localization	Nucleus

## Images



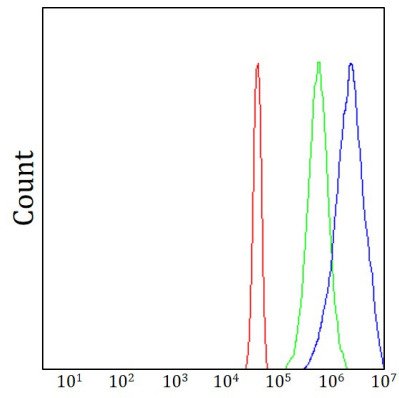
ARG43912 anti-PPAN antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG43912 anti-PPAN antibody at 5 µg/ml dilution.



ARG43912 anti-PPAN antibody WB image

Western blot: HeLa and 293T cell stained with ARG43912 anti-PPAN antibody at 0.5 µg/mL dilution.



### ARG43912 anti-PPAN antibody FACS image

Flow Cytometry: JK cells stained with ARG43912 anti-PPAN antibody (blue) at  $1 \mu\text{g}/1 \times 10^6$  cells dilution.