

ARG45953 anti-Phosphoribosyl pyrophosphate amidotransferase antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Phosphoribosyl pyrophosphate amidotransferase
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Phosphoribosyl pyrophosphate amidotransferase
Species	Human
Immunogen	Recombinant protein containing to human Phosphoribosyl pyrophosphate amidotransferase.
Conjugation	Un-conjugated
Alternate Names	Phosphoribosyl Pyrophosphate Amidotransferase; PPAT; GPAT; Amidophosphoribosyltransferase; ATase; EC 2.4.2.14; Glutamine phosphoribosylpyrophosphate amidotransferase; GPAT

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ 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.	
Observed Size	57 kDa	

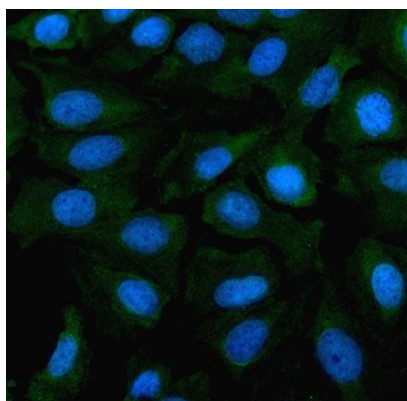
Properties

Form	Liquid
Purification	Affinity chromatography purified
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl 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 -22°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

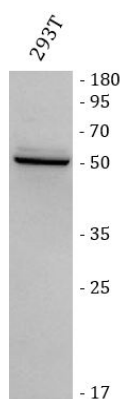
Gene Symbol	PPAT
Gene Full Name	Phosphoribosyl Pyrophosphate Amidotransferase
Background	The protein encoded by this gene is a member of the purine/pyrimidine phosphoribosyltransferase family. It is a regulatory allosteric enzyme that catalyzes the first step of de novo purine nucleotide biosynthetic pathway. This gene and PAICS/AIRC gene, a bifunctional enzyme catalyzing steps six and seven of this pathway, are located in close proximity on chromosome 4, and divergently transcribed from an intergenic region. [provided by RefSeq, Jul 2008]
Function	Catalyzes the formation of phosphoribosylamine from phosphoribosylpyrophosphate (PRPP) and glutamine. [UniProt]
Calculated Mw	57 kDa
PTM	Acetylation. [UniProt]. [UniProt]
Cellular Localization	Cytosol. [UniProt]

Images



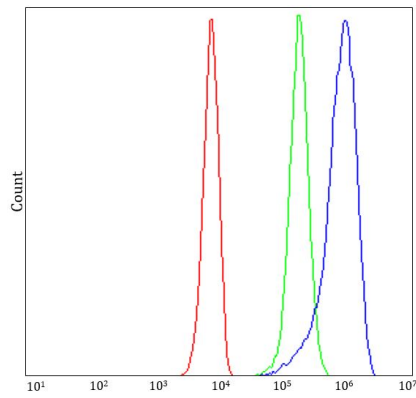
ARG45953 anti-Phosphoribosyl pyrophosphate amidotransferase antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG45953 anti-Phosphoribosyl pyrophosphate amidotransferase antibody at 5 µg/ml dilution.



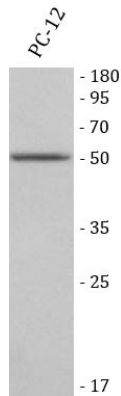
ARG45953 anti-Phosphoribosyl pyrophosphate amidotransferase antibody WB image

Western blot: 293T stained with ARG45953 anti-Phosphoribosyl pyrophosphate amidotransferase antibody at 0.5 µg/ml dilution.



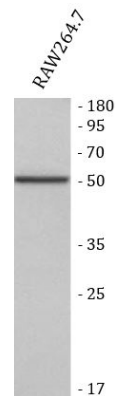
ARG45953 anti-Phosphoribosyl pyrophosphate amidotransferase antibody FACS image

Flow Cytometry: K562 stained with ARG45953 anti-Phosphoribosyl pyrophosphate amidotransferase antibody at 1 $\mu\text{g}/10^6$ cells dilution.



ARG45953 anti-Phosphoribosyl pyrophosphate amidotransferase antibody WB image

Western blot: PC-12 stained with ARG45953 anti-Phosphoribosyl pyrophosphate amidotransferase antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



ARG45953 anti-Phosphoribosyl pyrophosphate amidotransferase antibody WB image

Western blot: RAW264.7 stained with ARG45953 anti-Phosphoribosyl pyrophosphate amidotransferase antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.