## **PPAT Conjugated Antibody**

Catalog No: #C36506

SAB Signalway Antibody

Package Size: #C36506-AF350 100ul #C36506-AF405 100ul #C36506-AF488 100ul

#C36506-AF555 100ul #C36506-AF594 100ul #C36506-AF647 100ul

#C36506-AF680 100ul #C36506-AF750 100ul #C36506-Biotin 100ul

Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

## Description

Host Species Rabbit  Clonality Polyclonal  Species Reactivity Hu Ms  Specificity The antibody detects endogenous levels of total PPAT protein.  Immunogen Description Fusion protein corresponding to a region derived from internal residues of human phosphoribosyl pyrophosphate amidotransferase  Conjugates Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750  Other Names GPAT; PRAT; ATASE  Accession No. Swiss-Prot#.Q06203NCBI Gene ID:5471NCBI Protein#.BC004200  Uniprot Q06203  GeneID 5471;  Excitation Emission AF350: 346nm/442nm  AF488: 493nm/519nm  AF555: 555nm/565nm  AF594: 591nm/614nm  AF647: 651nm/667nm  AF647: 651nm/667nm  AF680: 679nm/702nm  AF750: 749nm/775nm  Formulation 0.01M Sodium Phosphate, 0.25M NaCI, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide		
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Specificity The antibody detects endogenous levels of total PPAT protein.  Immunogen Description Fusion protein corresponding to a region derived from internal residues of human phosphoribosyl pyrophosphate amidotransferase  Conjugates Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750  Other Names GPAT; PRAT; ATASE  Accession No. Swiss-Prot#:Q06203NCBI Gene ID:5471NCBI Protein#:BC004200  Uniprot Q06203  GeneID 5471;  Excitation Emission AF350: 346nm/442nm  AF405: 401nm/421nm  AF488: 493nm/519nm  AF555: 555nm/565nm  AF594: 591nm/614nm  AF647: 651nm/667nm  AF680: 679nm/702nm  AF750: 749nm/775nm  Formulation 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide	Clonality	Polyclonal
Immunogen Description  Fusion protein corresponding to a region derived from internal residues of human phosphoribosyl pyrophosphate amidotransferase  Conjugates  Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750  Other Names  GPAT; PRAT; ATASE  Accession No.  Swiss-Prot#:Q06203NCBI Gene ID:5471NCBI Protein#:BC004200  Uniprot  Q06203  GeneID  5471;  Excitation Emission  AF350: 346nm/442nm  AF405: 401nm/421nm  AF488: 493nm/519nm  AF555: 555nm/565nm  AF594: 591nm/614nm  AF647: 651nm/667nm  AF680: 679nm/702nm  AF750: 749nm/775nm  Formulation  0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide	Species Reactivity	Hu Ms
pyrophosphate amidotransferase	Specificity	The antibody detects endogenous levels of total PPAT protein.
Conjugates         Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750           Other Names         GPAT; PRAT; ATASE           Accession No.         Swiss-Prot#:Q06203NCBI Gene ID:5471NCBI Protein#:BC004200           Uniprot         Q06203           GeneID         5471;           Excitation Emission         AF350: 346nm/442nm           AF405: 401nm/421nm         AF488: 493nm/519nm           AF555: 555nm/565nm         AF555: 555nm/565nm           AF594: 591nm/614nm         AF647: 651nm/667nm           AF680: 679nm/702nm         AF750: 749nm/775nm           Formulation         0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide	Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human phosphoribosyl
Other Names         GPAT; PRAT; ATASE           Accession No.         Swiss-Prot#:Q06203NCBI Gene ID:5471NCBI Protein#:BC004200           Uniprot         Q06203           GeneID         5471;           Excitation Emission         AF350: 346nm/442nm           AF405: 401nm/421nm         AF488: 493nm/519nm           AF555: 555nm/565nm         AF594: 591nm/614nm           AF647: 651nm/667nm         AF680: 679nm/702nm           AF750: 749nm/775nm         AF750: 749nm/775nm           Formulation         0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide		pyrophosphate amidotransferase
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Uniprot         Q06203           GeneID         5471;           Excitation Emission         AF350: 346nm/442nm           AF405: 401nm/421nm         AF488: 493nm/519nm           AF555: 555nm/565nm         AF594: 591nm/614nm           AF647: 651nm/667nm         AF680: 679nm/702nm           AF750: 749nm/775nm           Formulation         0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide	Other Names	GPAT; PRAT; ATASE
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AF350: 346nm/442nm  AF405: 401nm/421nm  AF488: 493nm/519nm  AF555: 555nm/565nm  AF594: 591nm/614nm  AF647: 651nm/667nm  AF680: 679nm/702nm  AF750: 749nm/775nm  Formulation  O.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide	Uniprot	Q06203
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AF750: 749nm/775nm  O.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide		AF647: 651nm/667nm
Formulation 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide		AF680: 679nm/702nm
		AF750: 749nm/775nm
Storage Store at 4°C in dark for 6 months	Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
	Storage	Store at 4°C in dark for 6 months

## **Application Details**

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250
AF405 conjugated: most applications: 1: 50 - 1: 250
AF488 conjugated: most applications: 1: 50 - 1: 250
AF555 conjugated: most applications: 1: 50 - 1: 250
AF594 conjugated: most applications: 1: 50 - 1: 250
AF647 conjugated: most applications: 1: 50 - 1: 250
AF680 conjugated: most applications: 1: 50 - 1: 250
AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## 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 biosythetic 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.

Note: This product is for in vitro research use only