



Rabbit Anti-Glutamine PRPP amidotransferase antibody

SL6359R

Product Name:	Glutamine PRPP amidotransferase
Chinese Name:	谷氨酰胺磷酸核糖基焦磷酸酰胺基转移酶
Alias:	Amidophosphoribosyltransferase [Precursor]; ATASE; Glutamine phosphoribosylpyrophosphate amidotransferase; Glutamine PRPP amidotransferase; GPAT; Phosphoribosyl pyrophosphate amidotransferase; PPAT; PRAT; PUR1 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	56kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Glutamine PRPP amidotransferase:351-430/517
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Phosphoribosyl pyrophosphate amidotransferase (PPAT) is a regulatory allosteric

enzyme that catalyzes the first step of de novo purine nucleotide biosynthesis. The genes for PPAT and PAICS/AIRC, (a bifunctional enzyme catalyzing steps six and seven in the purine nucleotide biosynthesis pathway), are located in close proximity on chromosome 4.

Subunit:

Homotetramer.

Tissue Specificity:

Ubiquitously expressed.

Similarity:

n the C-terminal section; belongs to the purine/pyrimidine phosphoribosyltransferase family.

Contains 1 glutamine amidotransferase type-2 domain.

SWISS:

Q06203

Gene ID:

5471

Database links:

[Entrez Gene: 5471](#)Human

[Entrez Gene: 231327](#)Mouse

[Entrez Gene: 117544](#)Rat

[Omim: 172450](#)Human

[SwissProt: Q06203](#)Human

[SwissProt: P35433](#)Rat

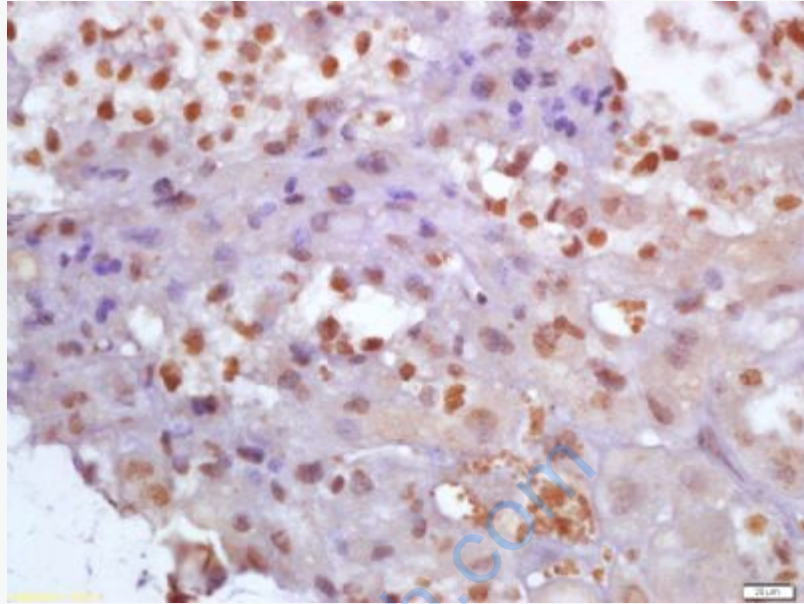
[Unigene: 331420](#)Human

[Unigene: 202337](#)Mouse

[Unigene: 18690](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



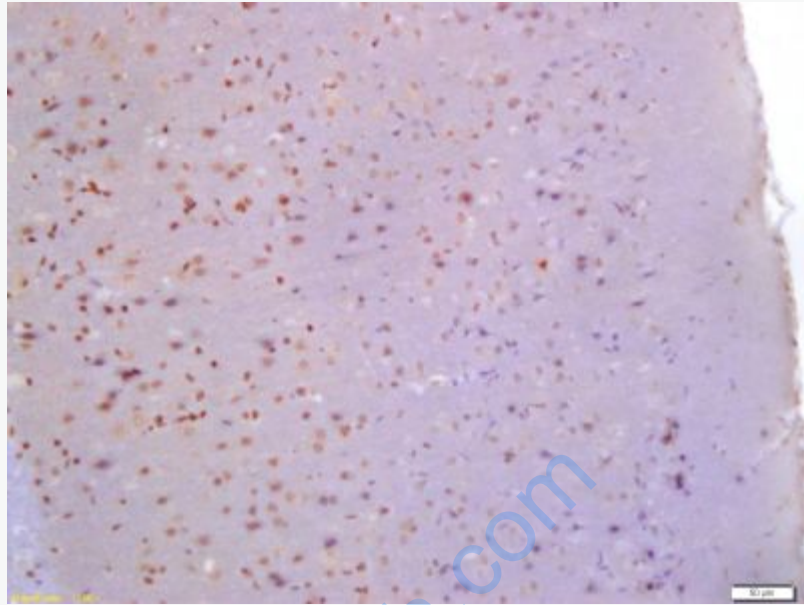
Picture:

Tissue/cell: mouse placenta tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Glutamine PRPP amidotransferase Polyclonal Antibody,

Unconjugated(SL6359R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-Glutamine PRPP amidotransferase Polyclonal Antibody, Unconjugated(SL6359R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining