SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Glutamine PRPP amidotransferase antibody

Catalog Number: SL6359R

FOR RESEARCH USE ONLY

[DATASHEET]

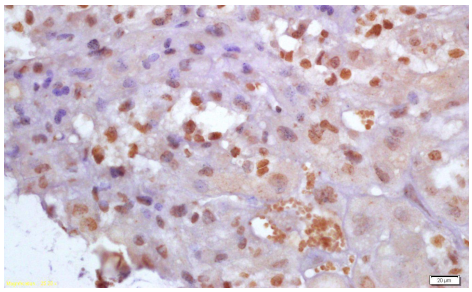
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Glutamine PRPP amidotransferase
Immunogen:	KLH conjugated synthetic peptide derived from human Glutamine PRPP amidotransferase: 351-430/517
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Predicted MW.:	56kDa
Subcellular Location:	cytoplasmic
Background:	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. **Database links:** **Entrez Gene:** 5471 Human

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

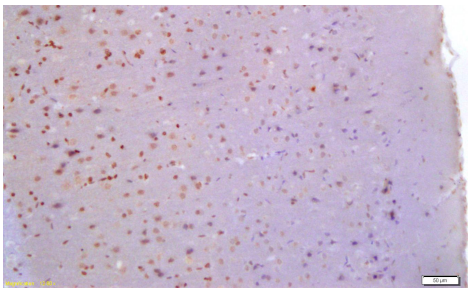
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	Entrez Gene: 231327 Mouse **Entrez Gene:** 117544 Rat Omim: 172450 Human **SwissProt:** Q06203 Human **SwissProt:** P35433 Rat **Unigene:** 331420 Human **Unigene:** 202337 Mouse **Unigene:** 18690 Rat

[VALIDATION IMAGES]



Tissue/cell: mouse placenta tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, 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℃ 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 (1M, 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℃ 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

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