

Glutamine Synthetase Rabbit pAb

CatalogNo: YT5035

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 42kD (Observed)

Isotype

- IgG

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:20000

Not yet tested in other applications.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human Gl Syn. AA range:295-344

Specificity

Gl Syn Polyclonal Antibody detects endogenous levels of Gl Syn protein.

Target Information

Gene name	GLUL		
Protein Name	Glutamine synthetase		
	Organism	Gene ID	UniProt ID
	Human	2752;	P15104;
	Mouse	14645;	P15105;
	Rat	24957;	P09606;
Cellular Localization	Cytoplasm , cytosol . Microsome . Mitochondrion . Cell membrane ; Lipid-anchor . Mainly localizes in the cytosol , with a fraction associated with the cell membrane. .		
Tissue specificity	Expressed in endothelial cells.		
Function	Catalytic activity:ATP + L-glutamate + NH (3) = ADP + phosphate + L-glutamine. ,Disease:Defects in GLUL are the cause of congenital systemic glutamine deficiency (CSGD) [MIM:610015]. CSGD is a rare developmental disorder with severe brain malformation resulting in multi-organ failure and neonatal death. Glutamine is largely absent from affected patients serum , urine and cerebrospinal fluid. ,online information:Glutamine synthetase entry ,similarity:Belongs to the glutamine synthetase family. ,subunit:Homooctamer. ,		

Validation Data

Contact information

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Please scan the QR code to access additional product information:
Glutamine Synthetase Rabbit pAb

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