



Glutamine Synthetase Rabbit mAb

Catalog No	YP-rAb-17964
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	GLUL
Protein Name	Glutamine synthetase
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:1000-1:4000; WB 1:1000-1:5000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	GLUL ; GLNS ; Glutamine synthetase ; GS ; Glutamate decarboxylase ; Glutamate--ammonia ligase
Observed Band	42kD
Calculated Molecular Weight	42kD
Cell Pathway	Cytoplasm, 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.,
Background	The protein encoded by this gene belongs to the glutamine synthetase family. It catalyzes the synthesis of glutamine from glutamate and ammonia in an ATP-dependent reaction. This protein plays a role in ammonia and glutamate detoxification, acid-base homeostasis, cell signaling, and cell proliferation.

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CCK8试剂盒、QPCR检测试剂盒

检测服务:

ELISA检测及定制服务 | 生化检测 | PCR、QPCR检测 | WB检测
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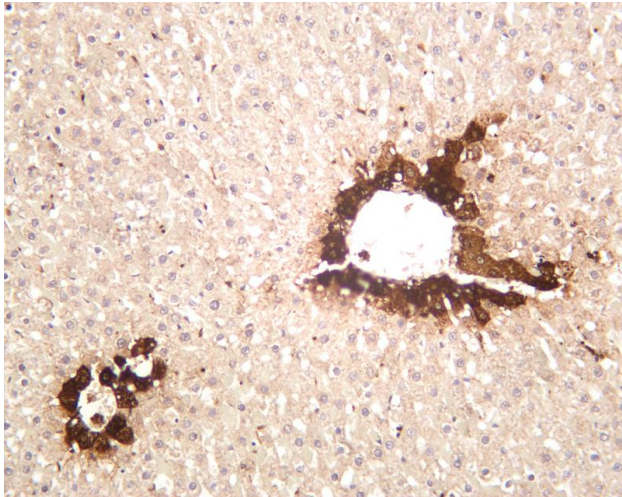
Glutamine is an abundant amino acid, and is important to the biosynthesis of several amino acids, pyrimidines, and purines. Mutations in this gene are associated with congenital glutamine deficiency, and overexpression of this gene was observed in some primary liver cancer samples. There are six pseudogenes of this gene found on chromosomes 2, 5, 9, 11, and 12. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014],

matters needing attention

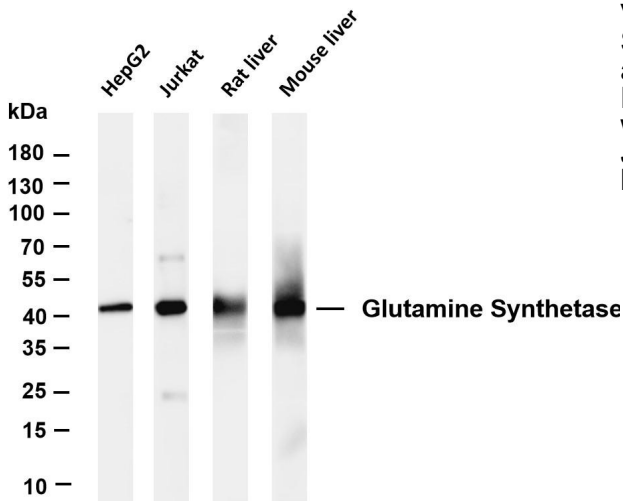
Avoid repeated freezing and thawing!

Usage suggestions

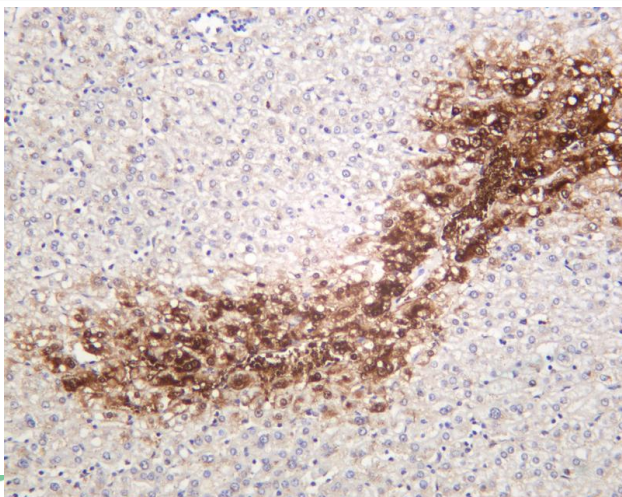
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Rat liver was stained with anti-Glutamine Synthetase rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Glutamine Synthetase antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HepG2 Lane 2: Jurkat Lane 3: Rat liver Lane 4: Mouse liver Predicted band size: 42kDa Observed band size: 42kDa



Human hepatocellular carcinoma was stained with anti-Glutamine Synthetase rabbit antibody

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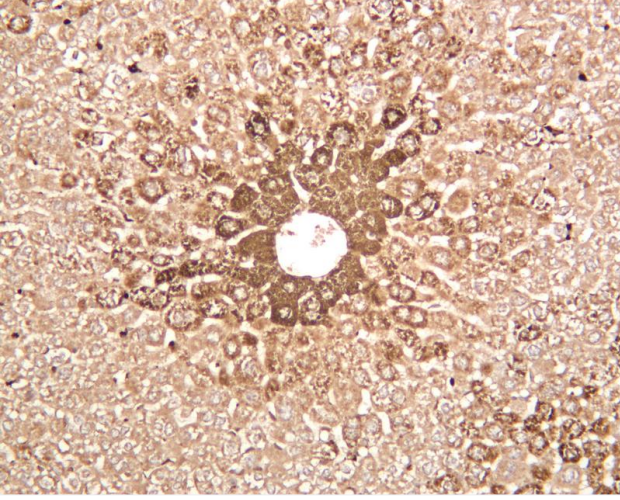
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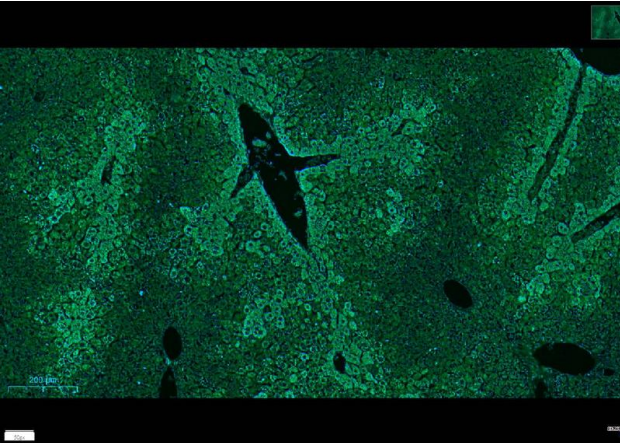
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Mouse liver was stained with anti-Glutamine Synthetase rabbit antibody



Mouse liver was stained with anti-Glutamine Synthetase rabbit antibody

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