

Glutamine Synthetase Antibody

Catalog No: #21650

Package Size: #21650-1 50ul #21650-2 100ul

Description

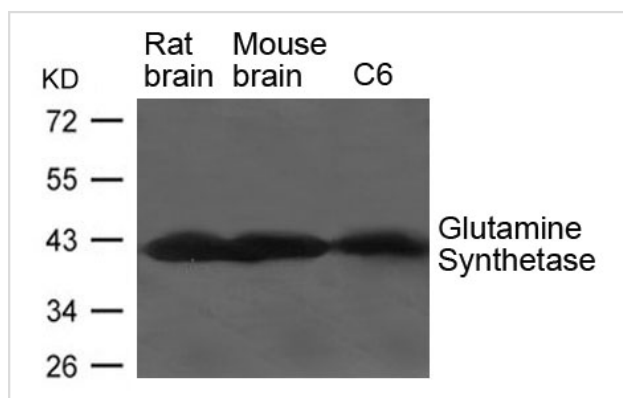
Product Name	Glutamine Synthetase Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total Glutamine Synthetase protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.365~369(G-D-E-P-F) derived from Human Glutamine Synthetase
Conjugates	Unconjugated
Target Name	Glutamine Synthetase
Other Names	GS; GLNS; PIG43; PIG59;
Accession No.	Swiss-Prot: P15104NCBI Protein: NP_001028216.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 42kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from Rat and Mouse brain tissue and C6 cells using Glutamine Synthetase Antibody #21650.

Background

This enzyme has 2 functions: it catalyzes the production of glutamine and 4-aminobutanoate (gamma-aminobutyric acid, GABA), the latter in a pyridoxal phosphate-independent manner . Essential for proliferation of fetal skin fibroblasts. "Glutamine synthetase isolated from human brain: octameric structure and homology of partial primary structure with human liver glutamine synthetase."

Boksha I.S., Schonfeld H.J., Langen H. Biokhimiia 67:1012-1020(2002) "Glutamine synthetase is essential for proliferation of fetal skin fibroblasts."

Vermeulen T., Goerg B., Vogl T. Arch. Biochem. Biophys. 478:96-102(2008)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.