

35-1818: Polyclonal Antibody to Glutamine Synthetase

Clonality :	Polyclonal
Application :	WB
Reactivity :	Rat,Mouse,Human
Gene :	GLUL
Gene ID :	2752
Uniprot ID :	P15104
Format :	Purified
Alternative Name :	GS, GLNS, PIG43, PIG59
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.365~369(G-D-E-P-F) derived from Human Glutamine Synthetase

Description

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)

Product Info

Amount :	50 µl / 100 µl
Content :	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 condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 42kd, Western blotting: 1:500~1:1000

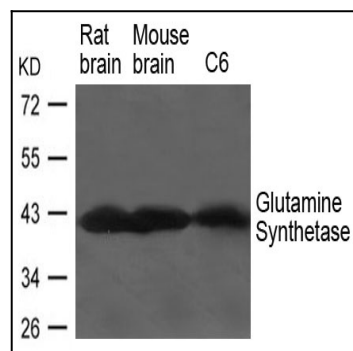


Figure 1: Western blot analysis of extracts from Rat and Mouse brain tissue and C6 cells using Glutamine Synthetase Antibody 35-1818 .