

## 35-1818: Polyclonal Antibody to Glutamine Synthetase

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Rat,Mouse,Human
<b>Gene :</b>	GLUL
<b>Gene ID :</b>	2752
<b>Uniprot ID :</b>	P15104
<b>Format :</b>	Purified
<b>Alternative Name :</b>	GS, GLNS, PIG43, PIG59
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	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

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	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

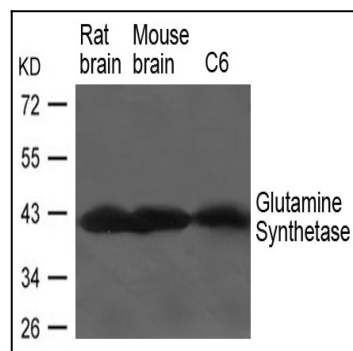


Figure 1: Western blot analysis of extracts from Rat and Mouse brain tissue and C6 cells using Glutamine Synthetase Antibody 35-1818 .