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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 Mg2+ and Ca2+), 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

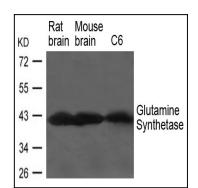


Figure 1: Western blot analysis of extracts from Rat and Mouse brain tissue and C6 cells using Glutamine Synthetase Antibody 35-1818.