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| <b>Product name:</b>     | Glutamine Synthetase Rabbit Monoclonal antibody                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cat number:</b>       | MABN01499                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Size:</b>             | 100μL                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Clone:</b>            | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Host:</b>             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Isotype:</b>          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen:</b>        | A synthetic peptide of human Glutamine Synthetase                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Reactivity:</b>       | Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications:</b>     | WB 1:500-1:1000                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Weight:</b> | Calculated MW: 42 kDa; Observed MW: 42 kDa                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purification:</b>     | Affinity Purified                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Buffer:</b>           | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA                                                                                                                                                                                                                                                                                                                                |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                         |
| <b>Background:</b>       | The protein encoded by this gene belongs to the glutamine synthetase family. It catalyzes the synthesis of glutamine from glutamate and ammonia. Glutamine is a main source of energy and is involved in cell proliferation, inhibition of apoptosis, and cell signaling. This gene is expressed during early fetal stages, and plays an important role in controlling body pH by removing ammonia from circulation. |