

## Glutamine Synthetase Antibody (YA405)

Cat. No.:	HY-P80691
Synonyms:	Glutamine Synthetase Antibody (YA405) is a non-conjugated and Rabbit originated monoclonal antibody about 42 kDa, targeting to Glutamine Synthetase. It can be used for WB assays with tag free, in the background of Mouse, Rat.
Host:	Rabbit
Reactivity:	Mouse,Rat
Conjugation:	Non-conjugated
SwissProt ID:	P15104
Research Field:	Neuroscience
Molecular Weight:	Predicted band size: 42 kDa

### PROPERTIES

Formulation	Supplied in 50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol and 0.05% BSA. Preservative: 0.01% Sodium azide					
Purity	affinity purified					
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.					
Appearance	Liquid					
Application & Dilution Ratio	<table> <thead> <tr> <th>Application</th> <th>Dilution Ratio</th> </tr> </thead> <tbody> <tr> <td>WB</td> <td>1:500-1:1,000</td> </tr> </tbody> </table>	Application	Dilution Ratio	WB	1:500-1:1,000	
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WB	1:500-1:1,000					
Shipping	Shipping with blue ice.					

### DESCRIPTION

Background	<p>Glutamine Synthetase: The protein encoded by this gene belongs to the glutamine synthetase family. It catalyzes the synthesis of glutamine from glutamate and ammonia in an ATP-dependent reaction. This protein plays a role in ammonia and glutamate detoxification, acid-base homeostasis, cell signaling, and cell proliferation. Glutamine is an abundant amino acid, and is important to the biosynthesis of several amino acids, pyrimidines, and purines. Mutations in this gene are associated with congenital glutamine deficiency, and overexpression of this gene was observed in some primary liver cancer samples. There are six pseudogenes of this gene found on chromosomes 2, 5, 9, 11, and 12. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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