

## **Product datasheet for TA363621**

### OriGene Technologies, Inc.

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# **Glutamine Synthetase (GLUL) Rabbit Polyclonal Antibody**

#### **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

**Immunogen:** The immunogen is a synthetic peptide directed towards the middle terminal region of human

**GLUL** 

**Specificity: Expected reactivity**: Human

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

**Concentration:** lot specific

Purification: Affinity purified
Conjugation: Unconjugated

**Storage:** For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

**Stability:** Shelf life: one year from despatch.

**Predicted Protein Size:** 41 kDa

**Gene Name:** glutamate-ammonia ligase

Database Link: <u>NP 001028216.1</u>

Entrez Gene 2752 Human

P15104



#### Glutamine Synthetase (GLUL) Rabbit Polyclonal Antibody - TA363621

Background:

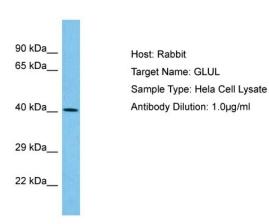
The protein encoded by this gene belongs to the glutamine synthetase family. It catalyzes the synthesis of glutamine from glutamate and ammonia in an ATP-dependent reaction. This protein plays a role in ammonia and glutamate detoxification, acid-base homeostasis, cell signaling, and cell proliferation. 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.

Synonyms: GLNS; GS; OTTHUMP00000035525; PIG43; PIG59

Protein Pathways: Alanine, aspartate and glutamate metabolism, Arginine and proline metabolism, Metabolic

pathways, Nitrogen metabolism

## **Product images:**



Host: Rabbit Target Name: GLUL

Sample Tissue: Human Hela Whole Cell lysates

Antibody Dilution: 1ug/ml