

## Product Datasheet

# Glutamine Synthetase Antibody

Catalog No: CY5320

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC IP FC



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### Information

**UniProt ID:** P15104

**All Names:** GLNA; GS; GLUL; GLNS; PIG43 ; PIG59; Glutamine synthetase;

**Form:** Liquid

**Storage instructions:** Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Storage buffer:** pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Purity:** Affinity-chromatography

**Immunogen:** A synthesized peptide

**Molecular Wt.:** 42 kDa

### Application

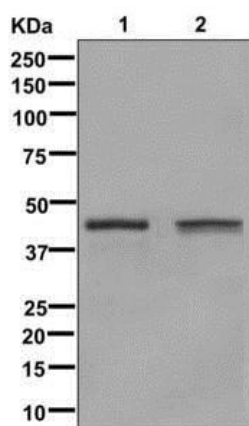
WB: 1:500~1:2000

IHC: 1:50~1:200

IP: 1:50

### Background

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. Mutations in this gene are associated with congenital glutamine deficiency. Several alternatively spliced transcript variants have been found for this gene.



Western blot analysis of Glutamine Synthetase expression in (1)Jurkat cell lysate;(2) HeLa cell lysate.

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