

Recombinant

DGRmAb®

## Glutamine Synthetase (DGR12040) Rabbit mAb

db11366

Package : 10μL 20μL 50μL 100μL

**Product Name :** Glutamine Synthetase (DGR12040) Rabbit mAb**Cat.No.:** db11366**Synonyms :** GS; GLNS; PIG43; PIG59**Application :** WB, IHC-P**Reactivity :** Human,Mouse,Rat**Host species :** Rabbit**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. [provided by RefSeq, Dec 2014]

**Immunogen**

A synthetic peptide of human Glutamine Synthetase

**Gene ID**

2752

**Swiss Prot**

P15104

**Synonyms**

GS; GLNS; PIG43; PIG59

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P

**Recommended dilution**

WB: 1:1000-1:5000

IHC-P: 1:200-1:500

**Calculated MW**

42 kDa

**Observed MW**

42 kDa

**Host species**

Rabbit

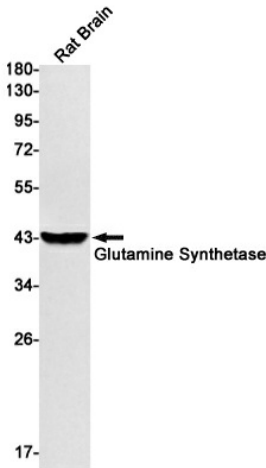
**Clonality**

Monoclonal

**Clonality No.**

DGR12040

|                   |   |
|-------------------|---|
| Isotype           | IgG   |
| Purity            | Affinity Purification   |
| Conjugation       | Un-conjugated   |
| Storage Stability | Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt. |



Western blot detection of Glutamine Synthetase in Rat Brain lysates using Glutamine Synthetase antibody(1:1000 diluted).