

Recombinant**DGRmAb®****Glutamine Synthetase (DGR12040) Rabbit mAb (PBS Only)****db11366-PBS****Package : 100µg****Product Name :** Glutamine Synthetase (DGR12040) Rabbit mAb (PBS Only)**Cat.No.:** db11366-PBS**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

Calculated MW

42 kDa

Observed MW

42 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

DGR12040

Isotype

IgG

Purity

Affinity Purification

Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.

