Recombinant DGRmAb®

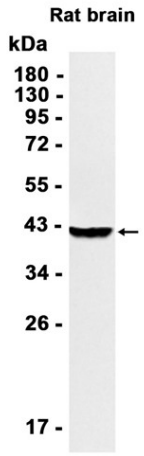
Glutamine Synthetase (DGR12040) Rabbit mAb (PBS Only)

db11366-PBS **Package : 10μg 100μg**

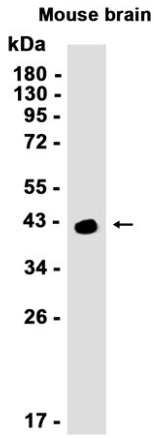
Product Name : Glutamine Synthetase (DGR12040) Rabbit mAb (PBS Only)
Cat.No.: db11366-PBS
Synonyms : GS; GLNS; PIG43; PIG59
Application : WB, IHC-P
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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.



Western blot analysis of extracts from Rat brain tissue using db11366 at 1:1000.



Western blot analysis of extracts from Mouse brain tissue using db11366 at 1:1000.