

## Glutamine Synthetase ??Conjugated Antibody

Catalog No: #C21650



Package Size: #C21650-AF350 100ul #C21650-AF405 100ul #C21650-AF488 100ul  
 #C21650-AF555 100ul #C21650-AF594 100ul #C21650-AF647 100ul  
 #C21650-AF680 100ul #C21650-AF750 100ul #C21650-Biotin 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
 Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Glutamine Synthetase ??Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total Glutamine Synthetase protein.
Immunogen Description	Peptide sequence around aa.365~369(G-D-E-P-F) derived from Human Glutamine Synthetase
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	GS ; GLNS;PIG43;PIG59
Accession No.	Swiss-Prot#:P15104NCBI Gene ID:2752NCBI mRNA#:NM_001033044.2NCBI Protein#:NP_001028216.1
Uniprot	P15104
GeneID	2752;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	42
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250  
 AF405 conjugated: most applications: 1: 50 - 1: 250  
 AF488 conjugated: most applications: 1: 50 - 1: 250  
 AF555 conjugated: most applications: 1: 50 - 1: 250  
 AF594 conjugated: most applications: 1: 50 - 1: 250  
 AF647 conjugated: most applications: 1: 50 - 1: 250  
 AF680 conjugated: most applications: 1: 50 - 1: 250  
 AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

---

## Product Description

---

Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

## Background

---

This enzyme has 2 functions: it catalyzes the production of glutamine and 4-aminobutanoate (gamma-aminobutyric acid, GABA), the latter in a pyridoxal phosphate-independent manner . Essential for proliferation of fetal skin fibroblasts.

---

Note: This product is for in vitro research use only