

Guanylate Cyclase  $\beta$  Conjugated Antibody

Catalog No: #C33396



Package Size: #C33396-AF350 100ul #C33396-AF405 100ul #C33396-AF488 100ul

#C33396-AF555 100ul #C33396-AF594 100ul #C33396-AF647 100ul

#C33396-AF680 100ul #C33396-AF750 100ul #C33396-Biotin 100ul

Orders: order@signalwayantibody.com

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## Description

Product Name	Guanylate Cyclase $\beta$ Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total Guanylate Cyclase $\beta$ protein.
Immunogen Description	Synthesized peptide derived from human Guanylate Cyclase $\beta$ .
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	4.6.1.2;GC-S-beta-1;GC-SB3;GUC1B3;GUCB3
Accession No.	Swiss-Prot#:Q02153NCBI Gene ID:2983
Uniprot	Q02153
GeneID	2983;
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	70
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

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The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

## Background

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This gene encodes the beta subunit of the soluble guanylate cyclase (sGC), which catalyzes the conversion of GTP (guanosine triphosphate) to cGMP (cyclic guanosine monophosphate). The encoded protein contains an HNOX domain, which serves as a receptor for ligands such as nitric oxide, oxygen and nitrovasodilator drugs. Alternative splicing results in multiple transcript variants.

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Note: This product is for in vitro research use only