

## GUCA1B Conjugated Antibody

Catalog No: #C47571



Package Size: #C47571-AF350 100ul #C47571-AF405 100ul #C47571-AF488 100ul  
 #C47571-AF555 100ul #C47571-AF594 100ul #C47571-AF647 100ul  
 #C47571-AF680 100ul #C47571-AF750 100ul #C47571-Biotin 100ul

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## Description

Product Name	GUCA1B Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu, Ms
Specificity	The antibody detects endogenous levels of total GUCA1B protein.
Immunogen Description	Synthetic peptide of human GUCA1B
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	RP48; GCAP2; GUCA2
Accession No.	Swiss-Prot#:Q9UMX6NCBI Gene ID:2979NCBI mRNA#:NCBI Protein#:NP_002089
Uniprot	Q9UMX6
GeneID	2979;
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	23 kDa
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

## Background

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The protein encoded by this gene is a calcium-binding protein that activates photoreceptor guanylate cyclases. This gene may have arisen due to a gene duplication event since there is a highly similar gene clustered with it on chromosome 6. Mutations in this gene can cause a form of retinitis pigmentosa.

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Note: This product is for in vitro research use only