

## GCN2 (Phospho-Thr899) Conjugated Antibody

Catalog No: #C14130



Package Size: #C14130-AF350 100ul #C14130-AF405 100ul #C14130-AF488 100ul  
 #C14130-AF555 100ul #C14130-AF594 100ul #C14130-AF647 100ul  
 #C14130-AF680 100ul #C14130-AF750 100ul #C14130-Biotin 100ul

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## Description

Product Name	GCN2 (Phospho-Thr899) Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Species Reactivity	Human
Specificity	Phospho-GCN2 (T899) Antibody detects endogenous levels of total Phospho-GCN2 (T899)
Immunogen Description	A synthesized peptide derived from human Phospho-GCN2 (T899)
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	GCN2-like protein; GCN2; KIAA1338; EIF2AK4;
Accession No.	Uniprot:Q9P2K8
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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	220kDa
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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This gene encodes a member of a family of kinases that phosphorylate the alpha subunit of eukaryotic translation initiation factor-2 (EIF2), resulting in the downregulation of protein synthesis. The encoded protein responds to amino acid deprivation by binding uncharged transfer RNAs. It may also be activated by glucose deprivation and viral infection. Mutations in this gene have been found in individuals suffering from autosomal recessive pulmonary venoocclusive-disease-2.

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Note: This product is for in vitro research use only