

EIF2AK2 Conjugated Antibody

Catalog No: #C37220



Package Size: #C37220-AF350 100ul #C37220-AF405 100ul #C37220-AF488 100ul
 #C37220-AF555 100ul #C37220-AF594 100ul #C37220-AF647 100ul
 #C37220-AF680 100ul #C37220-AF750 100ul #C37220-Biotin 100ul

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Description

Product Name	EIF2AK2 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total EIF2AK2 protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human Eukaryotic translation initiation factor 2-alpha kinase 2
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	PKR, PRKR, EIF2AK1
Accession No.	Swiss-Prot#:P19525NCBI Gene ID:5610NCBI Protein#:NP_005027
Uniprot	P19525
GeneID	5610;
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
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

The protein encoded by this gene is a serine/threonine protein kinase that is activated by autophosphorylation after binding to dsRNA. The activated form of the encoded protein can phosphorylate translation initiation factor EIF2S1, which in turn inhibits protein synthesis. This protein is also activated by manganese ions and heparin. Three transcript variants encoding two different isoforms have been found for this gene

Note: This product is for in vitro research use only