

## eIF4A3 Conjugated Antibody

Catalog No: #C49884



Package Size: #C49884-AF350 100ul #C49884-AF405 100ul #C49884-AF488 100ul  
 #C49884-AF555 100ul #C49884-AF594 100ul #C49884-AF647 100ul  
 #C49884-AF680 100ul #C49884-AF750 100ul #C49884-Biotin 100ul

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## Description

Product Name	eIF4A3 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within human eIF4A3 aa 1-150.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ATP-dependent RNA helicase DDX48 antibody ATP-dependent RNA helicase eIF4A-3 antibody DDX48 antibody DEAD box protein 48 antibody eIF-4A-III antibody eIF4A-III antibody EIF4A3 antibody eIF4AIII antibody Eukaryotic initiation factor 4A-III antibody Eukaryotic initiation factor 4A-like NUK-34 antibody Eukaryotic translation initiation factor 4A isoform 3 antibody hNMP 265 antibody IF4A3_HUMAN antibody NMP 265 antibody NMP265 antibody Nuclear matrix protein 265 antibody NUK34 antibody
Accession No.	Swiss-Prot#:P38919
Uniprot	P38919
GeneID	9775;
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	47 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

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## Background

ATP-dependent RNA helicase. Involved in pre-mRNA splicing as component of the spliceosome. Core component of the splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junctions on mRNAs. The EJC is a dynamic structure consisting of core proteins and several peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. The EJC marks the position of the exon-exon junction in the mature mRNA for the gene expression machinery and the core components remain bound to spliced mRNAs throughout all stages of mRNA metabolism thereby influencing downstream processes including nuclear mRNA export, subcellular mRNA localization, translation efficiency and nonsense-mediated mRNA decay (NMD). Its RNA-dependent ATPase and RNA-helicase activities are induced by CASC3, but abolished in presence of the MAGOH-RBM8A heterodimer, thereby trapping the ATP-bound EJC core onto spliced mRNA in a stable conformation.

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Note: This product is for in vitro research use only