

Eukaryotic initiation factor 4A-II Polyclonal Conjugated Antibody

Catalog No: #C42091

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Package Size: #C42091-AF350 100ul #C42091-AF405 100ul #C42091-AF488 100ul

#C42091-AF555 100ul #C42091-AF594 100ul #C42091-AF647 100ul

#C42091-AF680 100ul #C42091-AF750 100ul #C42091-Biotin 100ul

Description

Product Name	Eukaryotic initiation factor 4A-II Polyclonal Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Eukaryotic initiation factor 4A-II polyclonal antibody.
Immunogen Description	Recombinant human Eukaryotic initiation factor 4A-II protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	EIF4A2, DDX2B, EIF4F,eIF-4A-II eIF4A-II,ATP-dependent RNA helicase eIF4A-2
Accession No.	Swiss-Prot#:Q14240
Uniprot	Q14240
GeneID	1974;
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	44.8
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

Background

Eukaryotic initiation factor 4A plays an important role in the binding of mRNA to the 43S preinitiation complex when protein synthesis begins. Two highly homologous forms of functional EIF4A genes, Eif4a1 and Eif4a2, have been isolated in mice; yeast cells also possess 2 EIF4A genes, TIF1 and TIF2. The murine Eif4a and yeast TIF genes appear to belong to a DEAD-box gene family, whose members exhibit extensive amino acid similarity and contain the asp-glu-ala-asp (DEAD) sequence. DEAD-box genes have been identified in species ranging from E-coli to humans. Their function appears to be related to transcriptional/translational regulation (referenced from OMIM).

Note: This product is for in vitro research use only