hnRNP Q Conjugated Antibody

Catalog No: #C49889

Package Size: #C49889-AF350 100ul #C49889-AF405 100ul #C49889-AF488 100ul #C49889-AF555 100ul #C49889-AF594 100ul #C49889-AF647 100ul #C49889-AF680 100ul #C49889-AF750 100ul #C49889-Biotin 100ul

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

Description

Product Name	hnRNP Q Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein to C-terminal human hnRNP Q.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	cytoplasmic RNA-interacting protein antibody dJ3J17.2 antibody Glycine and tyrosine rich RNA binding protein antibody Glycine- and tyrosine-rich RNA-binding protein antibody GRY RBP antibody GRY-RBP antibody GRYRBP antibody Heterogeneous nuclear ribonucleoprotein Q antibody hnRNP Q antibody HNRPQ antibody HNRPQ_HUMAN antibody HNRPQ1 antibody NS1 associated protein 1 antibody NS1-associated protein 1 antibody NSAP1 antibody pp68 antibody RP1 3J17.2 antibody Synaptotagmin binding cytoplasmic RNA interacting protein antibody Synaptotagmin-binding antibody Syncrip antibody
Accession No.	Swiss-Prot#:O60506
Uniprot	O60506
GeneID	10492;
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	70 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

Pre-mRNA splicing is a critical step in the posttranscriptional regulation of gene expression. Heterogeneous nuclear ribonucleoprotein Q (hnRNP Q) is involved in RNA processing and is necessary for efficient pre-mRNA splicing. hnRNP is widely expressed and developmentally regulated. hnRNP Q interacts with survival motor neuron protein (SMN). Loss of function of SMN results in spinal muscular atrophy, a common neurodegenerative disease. The most common deletion in SMN genes disrupts the interaction between SMN and hnRNP Q. hnRNP Q is upregulated after midnight, and this upregulation correlates with an abrupt decline in AANAT, the key enzyme in melatonin synthesis. Rhythmic AANAT mRNA degradation mediated in part by hnRNP Q implicates this enzyme in the regulation of circadian oscillation.

Note: This product is for in vitro research use only