Argonaute 2 Conjugated Antibody

Catalog No: #C49353

Package Size: #C49353-AF350 100ul #C49353-AF405 100ul #C49353-AF488 100ul #C49353-AF555 100ul #C49353-AF594 100ul #C49353-AF647 100ul #C49353-AF680 100ul #C49353-AF750 100ul #C49353-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Argonaute 2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Ago 2 antibody AGO2_HUMAN antibody Argonaute 2 antibody argonaute 2, RISC catalytic component antibody Argonaute RISC catalytic component 2 antibody Argonaute2 antibody CTA-204B4.6 antibody dAgo2 antibody eIF 2C 2 antibody eIF-2C 2 antibody eIF2C 2 antibody Eif2c2 antibody Eukaryotic translation initiation factor 2C 2 antibody Eukaryotic translation initiation factor 2C subunit 2 antibody hAgo2 antibody MGC3183 antibody PAZ Piwi domain protein antibody PPD antibody Protein argonaute-2 antibody Protein slicer antibody Q10 antibody Slicer protein antibody
Accession No.	Swiss-Prot#:Q9UKV8
Uniprot	Q9UKV8
GeneID	27161;
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	97 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

Eukaryotic translation initiation factor 2C (eIF2C) proteins (argonaute family) influence RNA interference (RNAi) as components of the RNA-inducible silencing complex (RISC) or microRNA (miRNA)-containing ribonucleoprotein particle (miRNP). Small RNAs, including small interfering RNAs (siRNAs) and miRNAs, can silence target genes through mechanisms that utilize RISC or miRNP particles. eIF2C1 (argonaute 1, AGO1, eIF2C, GERP95, Q99) and Dicer1 play a coordinated role in siRNA-mediated gene silencing. eIF2C2 (Slicer, argonaute 2, AGO2, Q10) is a RISC component that can concentrate in cytoplasmic processing bodies (P-bodies) and catalyze mRNA cleavage. Mammalian P-bodies contain mRNAs and have an association with miRNA-induced translational silencing and siRNA-induced mRNA degradation. Additional eIF2C proteins include eIF2C3 (argonaute 3, AGO3), eIF2C4 (argonaute 4, AGO4) and meIF2c5 (mouse argonaute 5).

Note: This product is for in vitro research use only