Dynein intermediate chain 1 Conjugated Antibody

Catalog No: #C49670

Package Size: #C49670-AF350 100ul #C49670-AF405 100ul #C49670-AF488 100ul #C49670-AF555 100ul #C49670-AF594 100ul #C49670-AF647 100ul #C49670-AF680 100ul #C49670-AF750 100ul #C49670-Biotin 100ul

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

Description

Product Name	Dynein intermediate chain 1 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	Axonemal dynein intermediate chain 1 antibody Axonemal dynein intermediate chain 2 antibody CILD 1 antibody CILD1 antibody Cytoplasmic dynein 1 intermediate chain 1 antibody Cytoplasmic dynein 1 intermediate chain 2 antibody Cytoplasmic dynein intermediate chain 1 antibody Cytoplasmic dynein intermediate chain 2 antibody DH IC 1 antibody DH IC 2 antibody DIC1 antibody DNAI 1 antibody DNAI 2 antibody DNAI1 antibody DNAI1_HUMAN antibody DNAI2 antibody DNCI 2 antibody DNCI1 antibody DNCI2 antibody DNCIC 1 antibody DNCIC 2 antibody DNCIC1 antibody DNCIC2 antibody DYNC1I1 antibody DYNC1I2 antibody Dynein axonemal intermediate chain 1 antibody Dynein axonemal intermediate polypeptide 1 antibody Dynein axonemal intermediate polypeptide 2 antibody Dynein cytoplasmic intermediate polypeptide 1 antibody Dynein cytoplasmic intermediate polypeptide 2 antibody Dynein intermediate chain 1 axonemal antibody Dynein intermediate chain 1 cytosolic antibody Dynein intermediate chain 1, axonemal antibody Dynein intermediate chain 2 axonemal antibody Dynein intermediate chain 2 cytosolic antibody Dynein intermediate chain DNAI1 antibody IC74 antibody ICS antibody ICS1 antibody Immotile cilia syndrome 1 antibody MGC26204 antibody PCD antibody
Accession No.	Swiss-Prot#:Q9UI46
Uniprot	Q9UI46
GeneID	27019;
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	79 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

Dyneins are multisubunit, high molecular weight ATPases that interact with microtubules to generate force by converting the chemical energy of ATP into the mechanical energy of movement. Cytoplasmic or axonemal Dynein heavy, intermediate, light and light-intermediate chains are all components of minus end-directed motors; the complex transports cellular cargos towards the central region of the cell. Axonemal Dynein motors contain one to three non-identical heavy chains and cause a sliding of microtubules in the axonemes of cilia and flagella in a mechanism necessary for cilia to beat and propel the cell. Cytoplasmic Dyneins, such as Dynein IC1, cytosolic and Dynein IC2, cytosolic, comprise an approximately 12 subunit complex of two heavy chains, two intermediate chains to anchor Dynein to its cargo, four smaller intermediate chains and several light chains. This complex performs functions necessary for cell survival, such as organelle transport and centrosome assembly. The carboxy terminus of Dynein is important for microtubule-dependent motility and is highly conserved, while the amino terminal regions are more variable. Several proteins regulate Dynein activity, including dynactin, LIS1 and NudEL(NudE-like).

Note: This product is for in vitro research use only