DYNLL1 Conjugated Antibody

Catalog No: #C49177

Package Size: #C49177-AF350 100ul #C49177-AF405 100ul #C49177-AF488 100ul #C49177-AF555 100ul #C49177-AF594 100ul #C49177-AF647 100ul #C49177-AF680 100ul #C49177-AF750 100ul #C49177-Biotin 100ul

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

Description

Product Name	DYNLL1 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	8 kDa dynein light chain antibody 8kDLC antibody Cytoplasmic dynein light polypeptide antibody DLC1 antibody DLC8 antibody DNCL1 antibody DNCLC1 antibody DYL1_HUMAN antibody Dynein , cytoplasmic, light chain 1 antibody Dynein light chain 1 cytoplasmic antibody Dynein light chain 1, cytoplasmic antibody Dynein light chain LC8 type 1 antibody Dynein light chain LC8-type 1 antibody Dynein, cytoplasmic, light polypeptide 1 antibody Dynein, light chain, LC8-type 1 antibody DYNLL1 antibody HDLC1 antibody LC8 antibody LC8a antibody MGC126137 antibody MGC126138 antibody MGC72986 antibody PIN antibody Protein inhibitor of neuronal nitric oxide synthase antibody Protein inhibitor of neuronal NOS antibody
Accession No.	Swiss-Prot#:P63167
Uniprot	P63167
GeneID	8655;
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	10 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. The highly conserved DYNLL proteins were originally identified as light chains for microtubule-based motor protein Dynein. In mammals there are two closely related isoforms expressed, DYNLL1 and DYNLL2 which share 93% sequence identity at the protein level. DYNLL1 (Dynein light chain 1) also designated, DLC8 or PIN (Protein inhibitor of neuronal nitric oxide synthase) has been identified as a protein that interacts with NOS1 resulting in NOS1 inhibition. Dimerization is required for NOS1 activity and DYNLL1 has been shown to destabilize the NOS1 dimer. Nitric oxide may be involved in several processes such as apoptosis, synaptogenesis and neuronal development; thus DYNLL1 is implicated in these processes as well. DYNLL1 is a ubiquitously expressed protein that exhibits high expression in testis and moderate expression in brain.

Note: This product is for in vitro research use only