

Nesprin 1 Conjugated Antibody

Catalog No: #C49810



Package Size: #C49810-AF350 100ul #C49810-AF405 100ul #C49810-AF488 100ul
 #C49810-AF555 100ul #C49810-AF594 100ul #C49810-AF647 100ul
 #C49810-AF680 100ul #C49810-AF750 100ul #C49810-Biotin 100ul

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

Description

Product Name	Nesprin 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	8B antibody ARCA1 antibody C6orf98 antibody CPG2 antibody CPG2 full length antibody dJ45H2.2 antibody EDMD4 antibody Enaptin antibody Myne-1 antibody MYNE1 antibody Myocyte nuclear envelope protein 1 antibody Nesp1 antibody Nesprin-1 antibody Nuclear envelope spectrin repeat protein 1 antibody SCAR8 antibody Spectrin repeat containing nuclear envelope 1 antibody Synaptic nuclear envelope protein 1 antibody Synaptic nuclei expressed gene 1 antibody Syne-1 antibody SYNE1 antibody SYNE1_HUMAN antibody SYNE1B antibody
Accession No.	Swiss-Prot#:Q8NF91
Uniprot	Q8NF91
GeneID	23345;
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	112 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

Multi-isomeric modular protein which forms a linking network between organelles and the actin cytoskeleton to maintain the subcellular spatial organization. As a component of the LINC (LInker of Nucleoskeleton and Cytoskeleton) complex involved in the connection between the nuclear lamina and the cytoskeleton. The nucleocytoplasmic interactions established by the LINC complex play an important role in the transmission of mechanical forces across the nuclear envelope and in nuclear movement and positioning. May be involved in nucleus-centrosome attachment and nuclear migration in neural progenitors implicating LINC complex association with SUN1/2 and probably association with cytoplasmic dynein-dynactin motor complexes; SYNE1 and SYNE2 may act redundantly. Required for centrosome migration to the apical cell surface during early ciliogenesis. May be involved in nuclear remodeling during sperm head formation in spermatogenesis; a probable SUN3:SYNE1/KASH1 LINC complex may tether spermatid nuclei to posterior cytoskeletal structures such as the manchette.

Note: This product is for in vitro research use only