

Nuf2 Conjugated Antibody

Catalog No: #C49882



Package Size: #C49882-AF350 100ul #C49882-AF405 100ul #C49882-AF488 100ul
 #C49882-AF555 100ul #C49882-AF594 100ul #C49882-AF647 100ul
 #C49882-AF680 100ul #C49882-AF750 100ul #C49882-Biotin 100ul

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

Description

Product Name	Nuf2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	Recombinant protein within human Nuf2 aa 1-200.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Cancer/testis antigen 106 antibody CDCA 1 antibody CDCA1 antibody Cell division cycle associated 1 antibody Cell division cycle associated protein 1 antibody Cell division cycle-associated protein 1 antibody CT106 antibody hNuf 2 antibody hNuf2 antibody hNuf2R antibody hsNuf2 antibody Kinetochore protein Nuf2 antibody Nuf 2 antibody NUF2 antibody NUF2 NDC80 kinetochore complex component antibody NUF2 NDC80 kinetochore complex component homolog antibody NUF2, S. cerevisiae, homolog of antibody NUF2_HUMAN antibody NUF2R antibody
Accession No.	Swiss-Prot#:Q9BZD4
Uniprot	Q9BZD4
GeneID	83540;
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	54 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

This gene encodes a protein that is highly similar to yeast Nuf2, a component of a conserved protein complex associated with the centromere. Yeast Nuf2 disappears from the centromere during meiotic prophase when centromeres lose their connection to the spindle pole body, and plays a regulatory role in chromosome segregation. The encoded protein is found to be associated with centromeres of mitotic HeLa cells, which suggests that this protein is a functional homolog of yeast Nuf2. Acts as a component of the essential kinetochore-associated NDC80 complex, which is required for chromosome segregation and spindle checkpoint activity. Required for kinetochore integrity and the organization of stable microtubule binding sites in the outer plate of the kinetochore. The NDC80 complex synergistically enhances the affinity of the SKA1 complex for microtubules and may allow the NDC80 complex to track depolymerizing microtubules.

Note: This product is for in vitro research use only