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Recombinant Anti-NUF2 Rabbit mAb

Catalog # AP95175

Product Information

Application	WB, FC, IF/IC
Primary Accession	Q9BZD4
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	54304

Additional Information

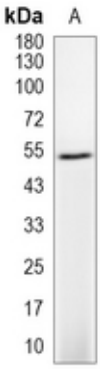
Gene ID	83540
Other Names	CDCA1; NUF2R; Kinetochore protein Nuf2; hNuf2; hNuf2R; hsNuf2; Cell division cycle-associated protein 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human NUF2 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

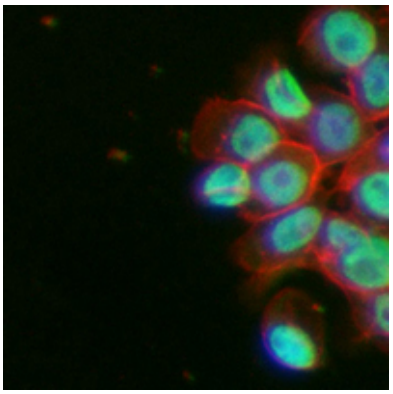
Name	NUF2
Synonyms	CDCA1, NUF2R
Function	Acts as a component of the essential kinetochore-associated NDC80 complex, which is required for chromosome segregation and spindle checkpoint activity (PubMed:12438418, PubMed:14654001, PubMed:15062103, PubMed:15235793, PubMed:15239953, PubMed:15548592, PubMed:17535814). Required for kinetochore integrity and the organization of stable microtubule binding sites in the outer plate of the kinetochore (PubMed:15548592). The NDC80 complex synergistically enhances the affinity of the SKA1 complex for microtubules and may allow the NDC80 complex to track depolymerizing microtubules (PubMed:23085020).
Cellular Location	Nucleus. Chromosome, centromere, kinetochore. Note=Localizes to kinetochores from late prophase to anaphase Localizes specifically to the outer plate of the kinetochore. NDC80 is required for efficient kinetochore

localization

Images



Western blot analysis of NUF2 expression in HeLa (A) whole cell lysates. (Predicted band size: 54 kD; Observed band size: 54 kD)



Immunofluorescent analysis of NUF2 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.