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Anti-HEC1 / NDC80 Antibody (C-Terminus)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18464

Product Information

Application	WB, IHC-P, FC
Primary Accession	O14777
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73913
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	10403
Alias Symbol	NDC80
Other Names	NDC80, HEC1, Kinetochore protein Hec1, Kinetochore associated 2, HEC, HsHec1, HsNDC80, KNTC2, TID3
Target/Specificity	Endogenous levels of human HEC1.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-HEC1 / NDC80 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NDC80
Synonyms	HEC, HEC1, KNTC2
Function	Acts as a component of the essential kinetochore-associated NDC80 complex, which is required for chromosome segregation and spindle checkpoint activity (PubMed:12351790, PubMed:14654001, PubMed:14699129, PubMed:15062103, PubMed:15235793, PubMed:15239953, PubMed:15548592, PubMed:16732327, PubMed:30409912, PubMed:9315664). Required for kinetochore integrity and the organization of stable microtubule binding sites in the outer plate of the kinetochore (PubMed:15548592, PubMed:30409912). 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). Plays a role in chromosome congression and is essential for the end-on attachment of the kinetochores to spindle microtubules

(PubMed:23891108, PubMed:25743205).

Cellular Location	Nucleus. Chromosome, centromere, kinetochore. Note=Localizes to kinetochores from late prophase to anaphase (PubMed:14699129) Localizes specifically to the outer plate of the kinetochore (PubMed:14699129).

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