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Anti-HEC1 / NDC80 Antibody (aa351-400)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18311

Product Information

Application	WB, IHC-P, IF, E
Primary Accession	O14777
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	73913

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	KNTC2 Antibody detects endogenous levels of total KNTC2 protein.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-HEC1 / NDC80 Antibody (aa351-400) 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'.