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Anti-HEC1 / NDC80 Antibody (aa351-400)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18311

Specification

Anti-HEC1 / NDC80 Antibody (aa351-400) - Product Information

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

Anti-HEC1 / NDC80 Antibody (aa351-400) - 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.

Anti-HEC1 / NDC80 Antibody (aa351-400) - 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:9315664, PubMed:12351790, PubMed:14654001, PubMed:14699129, PubMed:15062103, PubMed:15235793, PubMed:<a

href="http://www.uniprot.org/citations/15239953" target="_blank">15239953, PubMed:15548592, PubMed:16732327, PubMed:30409912). 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:25743205, PubMed:23891108).

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).

Anti-HEC1 / NDC80 Antibody (aa351-400) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-HEC1 / NDC80 Antibody (aa351-400) - Images