

Specification

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

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

[15239953](http://www.uniprot.org/citations/15239953), PubMed:<[15548592](http://www.uniprot.org/citations/15548592)>, PubMed:<[16732327](http://www.uniprot.org/citations/16732327)>, PubMed:<[30409912](http://www.uniprot.org/citations/30409912)>). Required for kinetochore integrity and the organization of stable microtubule binding sites in the outer plate of the kinetochore (PubMed:<[15548592](http://www.uniprot.org/citations/15548592)>, PubMed:<[30409912](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/23085020)>). Plays a role in chromosome congression and is essential for the end-on attachment of the kinetochores to spindle microtubules (PubMed:<[25743205](http://www.uniprot.org/citations/25743205)>, PubMed:<[23891108](http://www.uniprot.org/citations/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 Cytometry](#)
- [Cell Culture](#)

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