

**HEC1 Rabbit mAb**  
Catalog # AP77708**Specification**

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**HEC1 Rabbit mAb - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O14777</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>73913</b>

**HEC1 Rabbit mAb - Additional Information****Gene ID** 10403**Other Names**  
NDC80**Dilution**  
WB~~1/500-1/1000**Format**  
Liquid**HEC1 Rabbit mAb - 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](http://www.uniprot.org/citations/12351790), PubMed:[14654001](http://www.uniprot.org/citations/14654001), PubMed:[14699129](http://www.uniprot.org/citations/14699129), PubMed:[15062103](http://www.uniprot.org/citations/15062103), PubMed:[15235793](http://www.uniprot.org/citations/15235793), PubMed:[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), PubMed:[9315664](http://www.uniprot.org/citations/9315664)). 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:<a href="http://www.uniprot.org/citations/23085020" target="\_blank">23085020</a>). Plays a role in chromosome congression and is essential for the end-on attachment of the kinetochores to spindle microtubules (PubMed:<a href="http://www.uniprot.org/citations/23891108" target="\_blank">23891108</a>, PubMed:<a href="http://www.uniprot.org/citations/25743205" target="\_blank">25743205</a>).

#### 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).

#### HEC1 Rabbit mAb - 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](#)

#### HEC1 Rabbit mAb - Images

