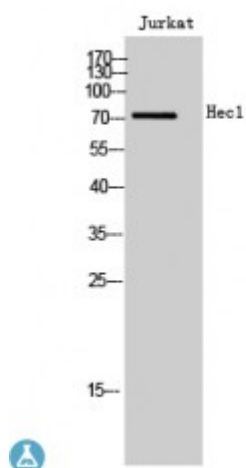


## Anti-Hec1 antibody



<b>Description</b>	Rabbit polyclonal to Hec1.
<b>Model</b>	STJ93486
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Applications</b>	ELISA, IF, WB
<b>Immunogen</b>	Synthesized peptide derived from human Hec1
<b>Immunogen Region</b>	320-400 aa, Internal
<b>Gene ID</b>	<a href="#">10403</a>
<b>Gene Symbol</b>	<a href="#">NDC80</a>
<b>Dilution range</b>	WB 1:500-1:2000IF 1:200-1:1000ELISA 1:20000
<b>Specificity</b>	Hec1 Polyclonal Antibody detects endogenous levels of Hec1 protein.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	Kinetochores protein NDC80 homolog Highly expressed in cancer protein Kinetochores protein Hec1 HsHec1 Kinetochores-associated protein 2 Retinoblastoma-associated protein HEC
<b>Molecular Weight</b>	73 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated

<b>Isotype</b>	IgG
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:16909</a> <a href="#">OMIM:607272</a>
<b>Alternative Names</b>	Kinetochore protein NDC80 homolog Highly expressed in cancer protein Kinetochore protein Hec1 HsHec1 Kinetochore-associated protein 2 Retinoblastoma-associated protein HEC
<b>Function</b>	Acts as a component of the essential kinetochore-associated NDC80 complex, which is required for chromosome segregation and spindle checkpoint activity . Required for kinetochore integrity and the organization of stable microtubule binding sites in the outer plate of the kinetochore . The NDC80 complex synergistically enhances the affinity of the SKA1 complex for microtubules and may allow the NDC80 complex to track depolymerizing microtubules . Plays a role in chromosome congression and is essential for the end-on attachment of the kinetochores to spindle microtubules .
<b>Cellular Localization</b>	Nucleus. Chromosome, centromere, kinetochore. Localizes to kinetochores from late prophase to anaphase. Localizes specifically to the outer plate of the kinetochore.
<b>Post-translational Modifications</b>	Phosphorylation begins in S phase of the cell cycle and peaks in mitosis. Phosphorylated by NEK2. May also be phosphorylated by AURKA and AURKB.