

Immunotag™ HEC1 Antibody

Antibody Specification	
Catalog No.	ITA0247
Product Description	Immunotag™ HEC1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	HEC1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF/ICC,ELISA
Recommended Dilution	WB: 1:500~1:3000 IF/ICC: 1:100~1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human HEC1
Specificity	HEC1 antibody detects endogenous levels of total HEC1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	PBS, pH 7.4,50% glycerol.
Gene Name	NDC80
Accession No.	O14777
Alternate Names	from Entrez Gene ;; HEC; Highly expressed in cancer; Highly expressed in cancer protein; Highly expressed in cancer rich in leucine heptad repeats; HsHec1; hsNDC80; Kinetochore associated 2; Kinetochore associated protein 2; Kinetochore protein Hec1; Kinetochore protein NDC80 homolog; Kinetochore-associated protein 2; KNTC2; ndc80; NDC80 homolog kinetochore complex component; NDC80 kinetochore complex component homolog; NDC80, S. cerevisiae, homolog of; NDC80_HUMAN; Retinoblastoma associated protein HEC; Retinoblastoma-associated protein HEC; TID3;

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Description	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:15239953, PubMed:15548592, PubMed:16732327). Required for kinetochore integrity and the organization of stable microtubule binding sites in the outer plate of the kinetochore (PubMed:15548592). 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).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	73kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.