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Immunotag™ NDC80 Antibody

Antibody Specification

Catalog No.	ITA7390
Product Description	Immunotag™ NDC80 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	NDC80
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human NDC80
Specificity	NDC80 Antibody detects endogenous levels of total NDC80
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	NDC80
Accession No.	O14777

Antibody Specification

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;
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	74kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.