ARG41383
anti-HEC1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HEC1
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HEC1
Species	Human
Immunogen	Synthetic peptide derived from Human HEC1.
Conjugation	Un-conjugated
Alternate Names	Kinetochore-associated protein 2; TID3; hsNDC80; HEC1; KNTC2; Kinetochore protein NDC80 homolog; Highly expressed in cancer protein; HEC; Retinoblastoma-associated protein HEC; HsHec1; Kinetochore protein Hec1

Application Instructions

Application table

Application	Dilution
WB	1:1000 - 1:5000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Observed Size	~ 75 kDa

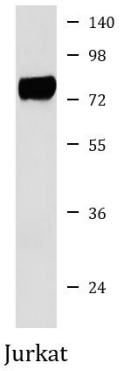
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NDC80
Gene Full Name	NDC80 kinetochore complex component
Background	This gene encodes a component of the NDC80 kinetochore complex. The encoded protein consists of an N-terminal microtubule binding domain and a C-terminal coiled-coiled domain that interacts with other components of the complex. This protein functions to organize and stabilize microtubule-kinetochore interactions and is required for proper chromosome segregation. [provided by RefSeq, Oct 2011]
Function	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. [UniProt]
Calculated Mw	74 kDa
PTM	Phosphorylation begins in S phase of the cell cycle and peaks in mitosis. Phosphorylated by NEK2. May also be phosphorylated by AURKA and AURKB. [UniProt]
Cellular Localization	Nucleus. Chromosome, centromere, kinetochore. Note=Localizes to kinetochores from late prophase to anaphase. Localizes specifically to the outer plate of the kinetochore. [UniProt]

Images



ARG41383 anti-HEC1 antibody WB image

Western blot: Jurkat cell lysate stained with ARG41383 anti-HEC1 antibody.