# ARG66639
# anti-HEC1 antibody

Package: 100 µg
Store at: -20°C

## Summary

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|---|---|
| Product Description | Rabbit Polyclonal antibody recognizes HEC1 |
| Tested Reactivity | Hu |
| Tested Application | ICC/IF, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | HEC1 |
| Species | Human |
| Immunogen | Synthetic peptide between aa. 320-400 of 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 |
|---|---|
| ICC/IF | 1:200 - 1:1000 |
| WB | 1:500 - 1:2000 |

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~ 73 kDa

## Properties

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| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 50% Glycerol and 0.5% BSA |
| Concentration | 1 mg/ml |
| 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. |

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|---|---|
| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

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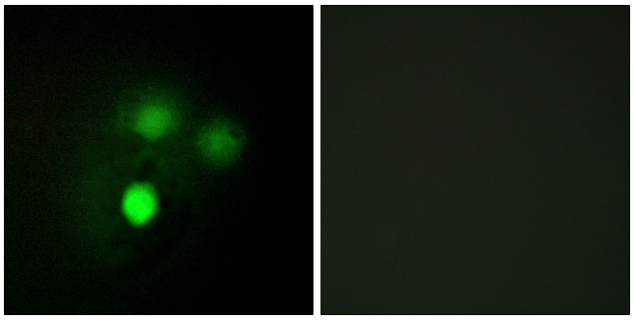
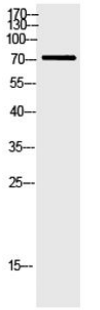
|---|---|
| Gene Symbol | NDC80 |
| Gene Full Name | NDC80 kinetochore complex component |
| Background | This gene encodes a component of the NDC80 kinetochore complex. The encoded protein consists of an N-terminal microtubule binding domain and a C-terminal coiled-coiled domain that interacts with 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



ARG66639 anti-HEC1 antibody ICC/IF image

Immunofluorescence: HUVEC cells stained with ARG66639 anti-HEC1 antibody. The picture on the right is blocked with the synthetic peptide.




ARG66639 anti-HEC1 antibody WB image

Western blot: Jurkat cell lysate stained with ARG66639 anti-HEC1 antibody.