

Datasheet

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GeneTex International Corporation : Tel:886-3-6208988 Fax:886-3-6208989 infoasia@genetex.com

Date : 2016/4/12

Catalog Number GX70298 Package: 100 µl ****** (2) Reference Product Name HEC1 ambody (9G3.23) Full Name NDC20 homdog, kinetochore complex component (S. cerevisiae) <	
Full Name NDC80 homolog, kinetochore complex component (S. cerevisiae) Synonyms HEC, 10403, 607272, O14777, KNTC2, HEC1 Product Description Mouse monoclonal antibody to human HEC1 Background Human HEC1 is a colled-coll protein that has been demonstrated to have a role in M-phase progression. It is essential for propriors exgregation. Its depletion results in the impairment of chromosome congression and results in spindle checkpoint activation. Host Mouse Clonality Monoclonal Clonality Monoclonal Glone Name 9G3.23 Isotype IgG2a Target HEC1 Immunogen Human HEC1 protein consisting of amino acids 56-642. Antigen Species Human Species Reactivity Human, Mouse, Pig, Rat, Hamster, Kangaroo rat, African green monkey Application FACS, ICC/IF, IHC, IP, WB Application FACS, ICC/IF, IHC, IP, WB Application Nuclear Predicted Target Size 80 kDa Cellular Localization Nuclear Predicted Target Size 80 kDa Cellular Localization Nuclear Protein G Affinity Purified Protin G Affinity Purified	(<u>39</u>)
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Purification Note From ascitic fluid	
Concentration 0.27 mg/ml (Please refer to the vial label for the specific concentration)	
Storage Buffer Phosphate-buffered saline, pH 7.4, containing no preservatives	
Storage Instruction Keep as concentrated solution. Store at 4°C short term. For extended storage aliquot and store at -20°C or below. Avoid freeze cycles.	:haw
Notes For <i>In vitro</i> laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or hum consumption.	n
ResearchArea Cancer > Cell cycle > Cell division Cell Biology > Cell cycle	

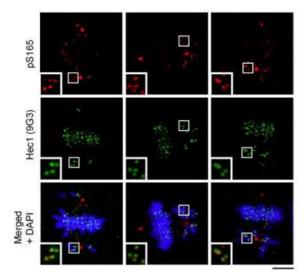
Application Reference

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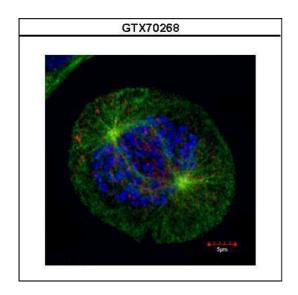
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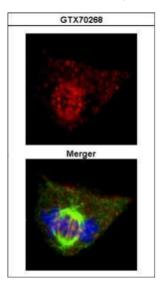
GTX70268 ICC/IF Image

Mouse anti-Hec1 (9G3, cat# GTX 70268) and rabbit anti-Hec1 (phospho Ser165) antibodies were used to co-stain MCF10A cells. Insets show kinetochores of misaligned chromosomes. DAPI staining shows chromatin.



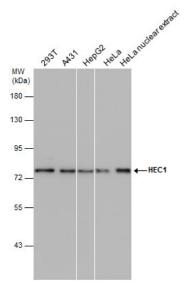
GTX70268 ICC/IF Image

Confocal immunofluorescence staining (Olympus FV10i) of HEC1, a kinetochore outer layer marker. U2OS cells were fixed by 4% PFA and costained with Hec1 9G3.23 AB (Red; cat# GTX70268; 1:500 Ab dilution) and alpha-tubulin rabbit polyclonal AB (Green; cat# GTX112141; 1:500 Ab dilution), a spindle marker. DAPI (blue), chromosomes. Scale bar, 5 um



GTX70268 ICC/IF Image

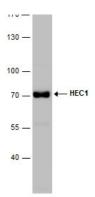
Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed 293T, using HEC1(GTX70268) antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with GTX11304 (Red) at 1:500.



GTX70268 WB Image

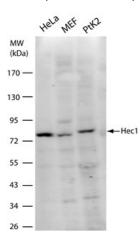
HEC1 antibody [9G3.23] detects HEC1 protein by western blot analysis. Various whole cell extracts and HeLa nuclear extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with HEC1 antibody [9G3.23] (GTX70268) diluted at 1:1000. The signal was developed with Trident Sharp-ECL (GTX14698).





GTX70268 WB Image

Whole cell extract (30 µg) was separated by 7.5% SDS-PAGE, and the membrane was blotted with HEC1 antibody [9G3.23] (GTX70268) diluted at 1:1000. The signal was developed with Trident ECL plus-Enhanced (GTX400007).



GTX70268 WB Image

Hec1 [9G3] antibody detects Hec1 [9G3] protein by western blot analysis. Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Hec1 [9G3] antibody (GTX70268) diluted at a dilution of 1:1000.