Product Datasheet

INCENP Antibody

Catalog No: #48478

Package Size: #48478-1 50ul #48478-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

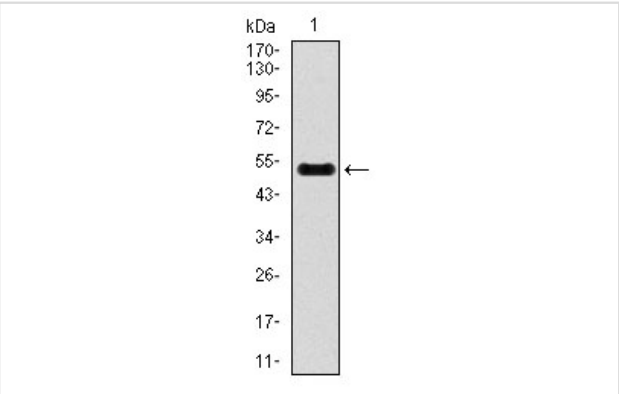
Description

Product Name	INCENP Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	G9-D2
Purification	ProA affinity purified
Applications	WB,ICC,IHC,FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	binds and activates aurora B and C in vivo and in vitro antibody Chromosomal passenger protein antibody INCE_HUMAN antibody INCENP antibody Inner centromere protein antibody Inner centromere protein antigens 135/155kDa antibody Inner centromere protein antigens 135kD 155kD antibody Inner centromere protein INCENP antibody
Accession No.	Swiss-Prot#:Q9NQS7
Uniprot	Q9NQS7
GeneID	3619;
Calculated MW	105 kDa
Formulation	1*TBS (pH7.4), 1%BSA, Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

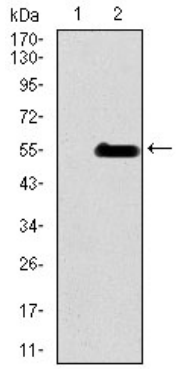
Application Details

WB: 1:500-1:1,000IHC: 1:50-1:200ICC: 1:100-1:500FC: 1:100-1:200

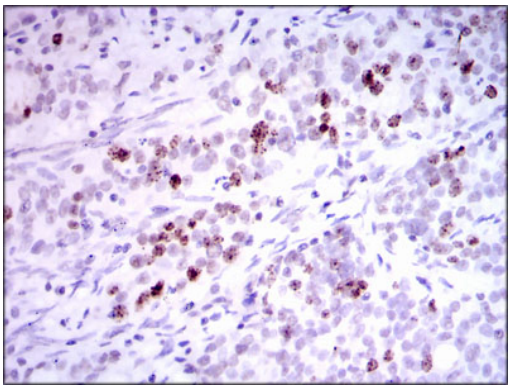
Images



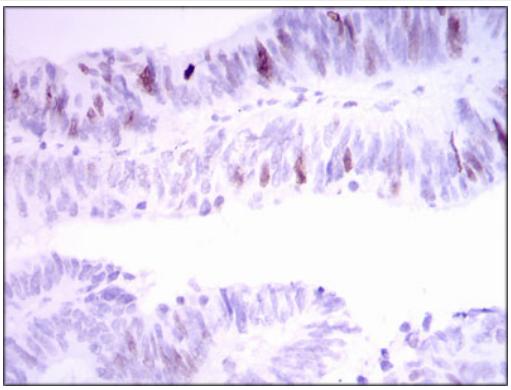
Western blot analysis of INCENP on human INCENP recombinant protein using anti-INCENP antibody at 1/1,000 dilution.



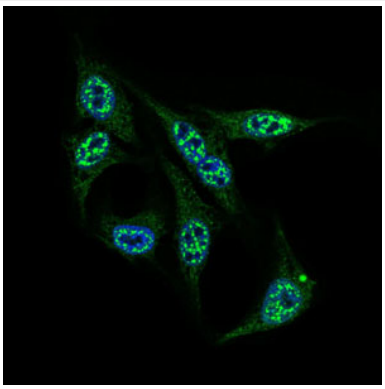
Western blot analysis of INCENP on HEK293 (1) and INCENP-hIgGFc transfected HEK293 (2) cell lysate using anti-INCENP antibody at 1/1,000 dilution.



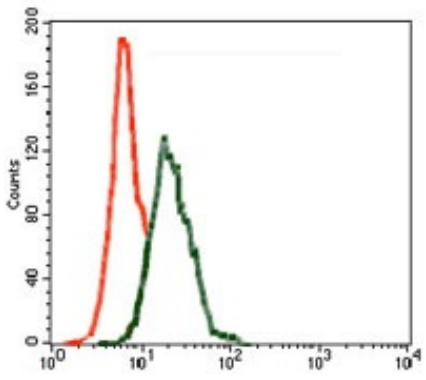
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue using anti-INCENP antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissue using anti-INCENP antibody. Counter stained with hematoxylin.



ICC staining INCENP (green) in HepG2 cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Jurkat cells with INCENP antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).

Background

A replicated chromosome includes two kinetochores that control chromosome segregation during mitosis. The centromere proteins CENP-A, CENP-B, CENP-C, CENP-E, CENP-F (also designated mitosin), CENP-H and INCENP are kinetochore proteins that are involved in mitotic events. The centromere proteins are expressed at different levels throughout the cell cycle and are involved in the formation of the centromere and the organization and function of the kinetochore. INCENP, which also is designated inner centromere protein, is a chromosomal passenger protein that is crucial for chromosome segregation. During mitosis it is also required for cytokinesis onset. This protein, which can form a homodimer or a heterodimer, binds directly to microtubules and interacts with AURKB, AURKC, CBX3 and β Tubulin. This nuclear protein localizes to the mitotic spindle, methaphase chromosomes and during anaphase, to the equatorial cortex.

References

Note: This product is for in vitro research use only