

Rabbit INCENP Polyclonal Antibody | anti-INCENP antibody

INCENP Antibody

CATALOG # AAA328234	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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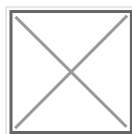
PRODUCT SYNONYMS

INCENP; Polyclonal Antibody; INCENP Antibody; binds and activates aurora B and C in vivo and in vitro; Chromosomal passenger protein; INCE_HUMAN; Inner centromere protein; Inner centromere protein antigens 135/155kDa; Inner centromere protein antigens 135kD 155kD; Inner centromere protein INCENP; anti-INCENP antibody

PRODUCT SPECIFICATIONS

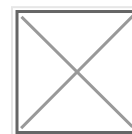
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	INCENP Antibody detects endogenous levels of INCENP.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	918
Applicable Applications for anti-INCENP antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human INCENP.
Subcellular Location	Nucleus; Cytoskeleton
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Mouse lung, using INCENP Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)

Western blot analysis of INCENP expression in Mouse spleen lysate

ADDITIONAL INFORMATION

Related Product Information for anti-INCENP antibody	<p>Description: Component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. Acts as a scaffold regulating CPC localization and activity. The C-terminus associates with AURKB or AURKC, the N-terminus associated with BIRC5/survivin and CDCA8/borealin tethers the CPC to the inner centromere, and the microtubule binding activity within the central SAH domain directs AURKB/C toward substrates near microtubules (PubMed:15316025, PubMed:12925766, PubMed:27332895). The flexibility of the SAH domain is proposed to allow AURKB/C to follow substrates on dynamic microtubules while ensuring CPC docking to static chromatin (By similarity). Activates AURKB and AURKC (PubMed:27332895). Required for localization of CBX5 to mitotic centromeres (PubMed:21346195). Controls the kinetochore localization of BUB1 (PubMed:16760428).</p> <p>Post Translational Modifications: Phosphorylation by AURKB or AURKC at its C-terminal part is important for AURKB or AURKC activation by INCENP.</p> <p>Subunit Structure: Component of the chromosomal passenger complex (CPC) composed of at least BIRC5/survivin, CDCA8/borealin, INCENP, AURKB or AURKC; in the complex binds directly to AURKB or AURKC via the IN box, and forms a triple-helix bundle-based subcomplex with BIRC5 and CDCA8 via its N-terminus (PubMed:17956729, PubMed:27332895). The reported homodimerization is questioned as the SAH domain is shown to be monomeric (By similarity). Interacts with H2AFZ (By similarity). Interacts with CBX1 and CBX3. Interacts with tubulin beta chain. Interacts with EVI5. Interacts with CBX5; POGZ and INCENP compete for interaction with CBX5; regulates INCENP (and probably CPC) localization to centromeres in interphase and not required for proper mitotic progression or sister chromatid cohesion. Interacts with POGZ. Interacts with JTB.</p> <p>Similarity: The IN box mediates interaction with AURKB and AURKC. The SAH (single alpha-helix) region is characterized by a high content of charged residues which are predicted to stabilize the alpha-helical structure by ionic bonds. It can refold after extension suggesting an in vivo force-dependent function. The isolated SAH domain is monomeric. Belongs to the INCENP family.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	102467235
NCBI GeneID	3619
NCBI Accession #	NP_001035784.1
NCBI GenBank Nucleotide #	NP_001035784.1
UniProt Accession #	Q9NQS7
Molecular Weight	Observed: 105.4 kDa Predicted: 106 kDa
NCBI Official Full Name	inner centromere protein isoform 1
NCBI Official Synonym Full Names	inner centromere protein
NCBI Official Symbol	INCENP
NCBI Protein Information	inner centromere protein
UniProt Protein Name	Inner centromere protein
UniProt Gene Name	INCENP
UniProt Entry Name	INCE_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/incenp-antibody-peptide-elisa-western-blot-elisa/328234>