

INCENP Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14976**Specification**

INCENP Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O9NQS7
Other Accession	NP_064623
Reactivity	Human
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	100kDa KDa

INCENP Antibody - C-terminal region - Additional Information**Gene ID** 3619

Alias Symbol	INCENP,
Other Names	
Inner centromere protein, INCENP	

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 µl of distilled water. Final Anti-INCENP antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

INCENP Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

INCENP Antibody - C-terminal region - Protein Information**Name** INCENP**Function**

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:12925766, PubMed:15316025, PubMed:15316025).

href="http://www.uniprot.org/citations/27332895" target="_blank">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).

Cellular Location

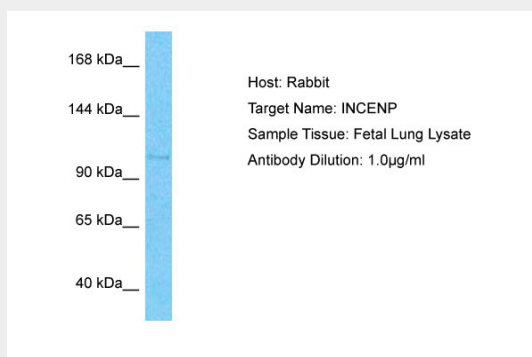
Nucleus. Chromosome, centromere. Cytoplasm, cytoskeleton, spindle. Midbody. Chromosome, centromere, kinetochore. Note=Colocalized at synaptonemal complex central element from zygotene up to late pachytene when it begins to relocate to heterochromatic chromocenters. Colocalizes with AURKB at a connecting strand traversing the centromere region and joining sister kinetochores, in metaphase II centromeres. This strand disappears at the metaphase II/anaphase II transition and relocates to the spindle midzone (By similarity). Colocalizes with AURKB at mitotic chromosomes (PubMed:11453556). Localizes to inner kinetochore (PubMed:16760428) Localizes on chromosome arms and inner centromeres from prophase through metaphase and then transferring to the spindle midzone and midbody from anaphase through cytokinesis (PubMed:15316025). Cocalizes to the equatorial cell cortex at anaphase (PubMed:11453556) {ECO:0000250|UniProtKB:Q9WU62, ECO:0000269|PubMed:11453556, ECO:0000269|PubMed:15316025, ECO:0000269|PubMed:16760428}

INCENP Antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

INCENP Antibody - C-terminal region - Images



Host: Rabbit
Target Name: INCENP
Sample Tissue: Fetal Lung lysates
Antibody Dilution: 1.0µg/ml

INCENP Antibody - C-terminal region - References

Adams R.R.,et al.Chromosoma 110:65-74(2001).
Li X.,et al.J. Biol. Chem. 279:47201-47211(2004).
Taylor T.D.,et al.Nature 440:497-500(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Ainsztein A.M.,et al.J. Cell Biol. 143:1763-1774(1998).