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# INCENP Antibody - C-terminal region

**Rabbit Polyclonal Antibody**
**Catalog # AI14976**

## Specification

### INCENP Antibody - C-terminal region - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | Q9NQS7 |
| 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 &mu, l 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:<a href="http://www.uniprot.org/citations/15316025" target="_blank">15316025</a>, PubMed:<a href="http://www.uniprot.org/citations/12925766" target="_blank">12925766</a>, PubMed:<a

href="http://www.uniprot.org/citations/27332895" target="_blank">27332895</a>). 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:<a href="http://www.uniprot.org/citations/27332895" target="_blank">27332895</a>). Required for localization of CBX5 to mitotic centromeres (PubMed:<a href="http://www.uniprot.org/citations/21346195" target="_blank">21346195</a>). Controls the kinetochore localization of BUB1 (PubMed:<a href="http://www.uniprot.org/citations/16760428" target="_blank">16760428</a>).

**Cellular Location**

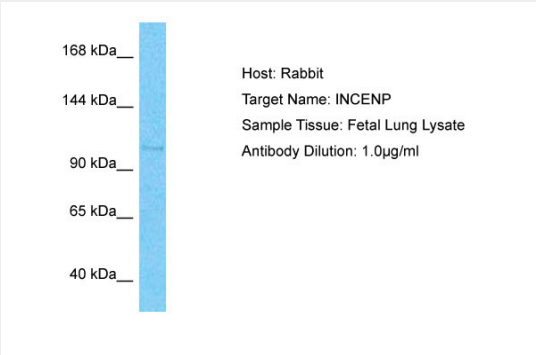
Nucleus. Chromosome, centromere. Cytoplasm, cytoskeleton, spindle. Midbody. Chromosome, centromere, kinetochore. Note=Colocalized at synaptonemal complex central element from zygotene up to late pachytene when it begins to relocalize to heterochromatic chromocenters. Colocalizes with AURKB at a connecting strand traversing the centromere region and joining sister kinetochores, in metaphase II centromeres. This strand disappears at the metaphase II/anaphase II transition and relocalizes 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 Cytomety
- Cell Culture

## INCENP Antibody - C-terminal region - Images




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

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**INCENP Antibody - C-terminal region - References**

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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).