

INCE Rabbit pAb

CatalogNo: YN0056

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 100kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 1-80

Specificity INCE Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name INCENP

Protein Name

Inner centromere protein

Organism**Gene ID****UniProt ID**

Human

[3619;](#)[Q9NQS7;](#)

Mouse

[Q9WU62;](#)**Cellular
Localization**

Nucleus . Chromosome, centromere . Cytoplasm, cytoskeleton, spindle . Midbody . Chromosome, centromere, kinetochore . 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). Colocalizes to the equatorial cell cortex at anaphase (PubMed:11453556). .

Tissue specificity Epithelium,Lung,Testis,**Function**

Caution:PubMed:11139336 experiments have been carried out partly in chicken and partly in human.,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. Probably acts through association with AURKB or AURKC. Seems to bind directly to microtubules.,similarity:Belongs to the INCENP family.,subcellular location:Localizes on chromosome arms and inner centromeres from prophase through metaphase and then transferring to the spindle midzone and midbody from anaphase through cytokinesis. Colocalizes with AURKB at mitotic chromosomes.,subunit:Homodimer or heterodimer. Interacts with H2AFZ (By similarity). Interacts with CBX3. Interacts with tubulin beta chain. Interacts with AURKB and AURKC. Component of the CPC at least composed of BIRC5/survivin, CDCA8/borealin, INCENP and AURKB/Aurora-B. Interacts with EVI5.,

| Validation Data

| Contact information

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