

Anti-Acetyl SMC3 [EM5.5.2]

Catalogue number: 153181

Sub-type: Primary antibody

Images:

Contributor

Inventor: Julian Gannon

Institute: Cancer Research UK, London Research Institute: Clare Hall Laboratories

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Acetyl SMC3 [EM5.5.2]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: SMC3 is a central component of cohesin, a complex required for chromosome cohesion during the cell cycle. The cohesin complex may form a large proteinaceous ring within which sister chromatids can be trapped. At anaphase, the complex is cleaved and dissociates from chromatin, allowing sister chromatids to segregate. Cohesion is coupled to DNA replication and is involved in DNA repair. The cohesin complex plays also an important role in spindle pole assembly during mitosis and in chromosomes movement. SMC3 is unacetylated in egg extracts. It is only acetylated in chromatin preparations from extracts where the DNA has replicated.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity: Xenopus laevis

Selectivity:

Host: Mouse

Immunogen: Synthetic peptide - EEVSLRRVIGAKacetyl Kacetyl DQYFLDKK

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Xenopus chromatin extract

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Acetyl SMC3

Target alternate names:

Target background: SMC3 is a central component of cohesin, a complex required for chromosome cohesion during the cell cycle. The cohesin complex may form a large proteinaceous ring within which sister chromatids can be trapped. At anaphase, the complex is cleaved and dissociates from chromatin, allowing sister chromatids to segregate. Cohesion is coupled to DNA replication and is involved in DNA repair. The cohesin complex plays also an important role in spindle pole assembly during mitosis and in chromosomes movement. SMC3 is unacetylated in egg extracts. It is only acetylated in chromatin preparations from extracts where the DNA has replicated.

Molecular weight: 141 kDa

Ic50:

Applications

Application: WB

Application notes:

Handling

Format: Liquid

Concentration: 0.9-1.1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References:

CancerTools.org