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STAG2 Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP20917b

Specification

STAG2 Blocking Peptide (N-term) - Product Information

Primary Accession Q8N3U4

STAG2 Blocking Peptide (N-term) - Additional Information

Gene ID 10735

Other Names
Cohesin subunit SA-2, SCC3 homolog 2, Stromal antigen 2, STAG2, SA2

Target/Specificity
The synthetic peptide sequence is selected from aa 61-74 of HUMAN STAG2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

STAG2 Blocking Peptide (N-term) - Protein Information

Name STAG2

Synonyms SA2

Function
Component of cohesin complex, a complex required for the cohesion of sister chromatids after DNA replication. The cohesin complex apparently forms a large

STAG2 Blocking Peptide (N-term) - Background

Component of cohesin complex, a complex required for the cohesion of sister chromatids after DNA replication. The cohesin complex apparently forms 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. The cohesin complex may also play a role in spindle pole assembly during mitosis.

STAG2 Blocking Peptide (N-term) - References

Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Ross M.T.,et al.Nature 434:325-337(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Carramolino L.,et al.Gene 195:151-159(1997).
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Cellular Location
Nucleus. Chromosome. Chromosome, centromere. Note=Associates with chromatin. Before prophase it is scattered along chromosome arms. During prophase, most of cohesin complexes dissociate from chromatin probably because of phosphorylation by PLK1, except at centromeres, where cohesin complexes remain. At anaphase, the RAD21 subunit of cohesin is cleaved, leading to the dissociation of the complex from chromosomes, allowing chromosome separation. In germ cells, cohesin complex dissociates from chromatin at prophase I, and may be replaced by a meiosis-specific cohesin complex

STAG2 Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides