

STAG3 Polyclonal Antibody

Catalog # AP72617

Specification

STAG3 Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	<u>Q9ÚJ98</u>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

STAG3 Polyclonal Antibody - Additional Information

Gene ID 10734

Other Names STAG3; Cohesin subunit SA-3; SCC3 homolog 3; Stromal antigen 3; Stromalin-3

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications. IHC-P~~N/A

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions -20°C

STAG3 Polyclonal Antibody - Protein Information

Name STAG3

Function

Meiosis specific component of cohesin complex. The cohesin complex is 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 meiosis-specific cohesin complex probably replaces mitosis specific cohesin complex when it dissociates from chromatin during prophase I.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00750, ECO:0000269|PubMed:12034751}. Chromosome Chromosome, centromere. Note=Associates with chromatin. In prophase I stage of meiosis, it is found along the axial elements of synaptonemal complexes. In late-pachytene-diplotene, the bulk of protein dissociates from the chromosome arms probably because of phosphorylation by PLK1, except at centromeres, where cohesin complexes remain. It however remains chromatin associated at the centromeres up to metaphase I. During anaphase I,



it probably dissociates from centromeres, allowing chromosomes segregation

Tissue Location Testis specific.

STAG3 Polyclonal Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- <u>Flow Cytomety</u>
- <u>Cell Culture</u>

STAG3 Polyclonal Antibody - Images







STAG3 Polyclonal Antibody - Background

Meiosis specific component of cohesin complex. The cohesin complex is 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 meiosisspecific cohesin complex probably replaces mitosis specific cohesin complex when it dissociates from chromatin during prophase I.