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STAG3 (mouse) Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF2584a

Specification

STAG3 (mouse) Antibody (internal region) - Product Information

Application	**E**
Primary Accession	Q9UJ98
Other Accession	NP_058660.2, 10734, 50878 (mouse), 114522 (rat)
Predicted	**Human, Mouse, Rat**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**139034**

STAG3 (mouse) Antibody (internal region) - Additional Information

Gene ID 10734

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

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
STAG3 (mouse) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

STAG3 (mouse) Antibody (internal region) - 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 (mouse) Antibody (internal 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

STAG3 (mouse) Antibody (internal region) - Images

STAG3 (mouse) Antibody (internal region) - Background

The immunizing peptide was designed based on the Mouse protein sequence with one residue of a diference from the human sequence.

STAG3 (mouse) Antibody (internal region) - References

Silencing of the meiotic genes SMC1beta and STAG3 in somatic cells by E2F6. Storre J, Schafer A, Reichert N, Barbero JL, Hauser S, Eilers M, Gaubatz S. J Biol Chem. 2005 Dec 16;280(50):41380-6. Epub 2005 Oct 19. PMID: 16236716