

STAG3 (mouse) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2584a**Specification**

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

Application	E
Primary Accession	O9UJ98
Other Accession	NP_058660.2 , 10734 , 50878 (mouse) , 114522 (rat)
Predicted Host	Human, Mouse, Rat
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	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

Dilution

E~~N/A

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 Cytometry](#)
- [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 difference 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