

Rabbit anti-Human STAG3 Polyclonal Antibody | anti-STAG3 antibody

STAG3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324162	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

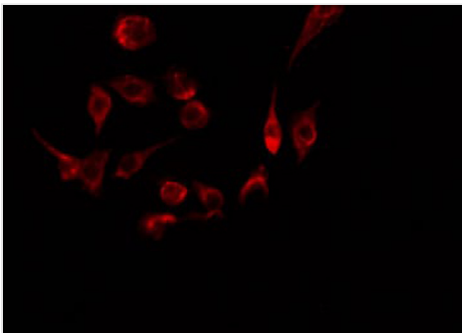
PRODUCT SYNONYMS

STAG3; Polyclonal Antibody; STAG3 Antibody; Cohesin subunit SA 3; Cohesin subunit SA3; SCC3 homolog 3; Stromal antigen 3; Stromalin 3; anti-STAG3 antibody

PRODUCT SPECIFICATIONS

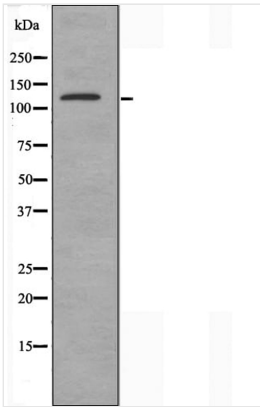
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	STAG3 antibody detects endogenous levels of total STAG3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1225
Applicable Applications for anti-STAG3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus. Note: Associates with chromatin.
Tissue Specificity	Testis specific.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324162 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using STAG3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-STAG3 antibody

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.

Subunit Structure: Component of the meiosis-specific cohesin complex, which also contains the SMC1 (SMC1A or SMC1B) and SMC3 heterodimer. Such complex likely contains RAD21, or the meiosis-specific related protein REC8. Interacts with CCDC79/TERB1; recruiting cohesin to telomeres to develop structural rigidity (By similarity).

Post-translational Modifications: Phosphorylated.

Similarity: Belongs to the SCC3 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	544186087
NCBI GeneID	10734
NCBI Accession #	NP_001269645.1
NCBI GenBank Nucleotide #	NM_001282716.1
UniProt Accession #	Q9UJ98; Q8NDP3; A6H8Z1; B4DZ10; D6W5U8; H7BYK9
Molecular Weight	Observed: 139 kD Predicted: 140 kDa
NCBI Official Full Name	cohesin subunit SA-3 isoform 1
NCBI Official Synonym Full Names	stromal antigen 3
NCBI Official Symbol	STAG3
NCBI Protein Information	cohesin subunit SA-3
UniProt Protein Name	Cohesin subunit SA-3
UniProt Gene Name	STAG3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.