

## STAG3 Rabbit pAb

CatalogNo: YT4434

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human,Rat,Mouse,

#### Applications

- WB,IHC,IF,ELISA

#### MW

- 139kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**ELISA 1:10000**

**IF 1:50-200**

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human STAG3. AA range:1161-1210

**Specificity** STAG3 Polyclonal Antibody detects endogenous levels of STAG3 protein.

### Target Information

**Gene name** STAG3

**Protein Name** Cohesin subunit SA-3

Organism	Gene ID	UniProt ID
Human	<a href="#">10734</a> ;	<a href="#">Q9UJ98</a> ;
Mouse		<a href="#">O70576</a> ;

**Cellular Localization**

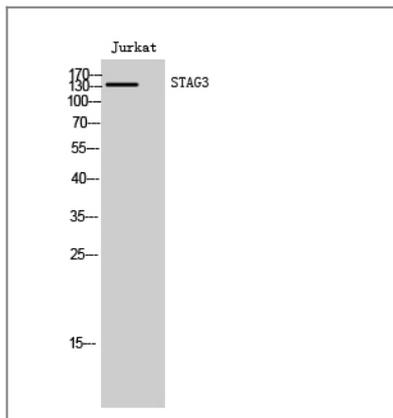
Nucleus . Chromosome . Chromosome, centromere . Associates with chromatin. In prophase I stage of meiosis, it is found along the axial elements of synaptonemal complexes. In late-pachytene-diplotene, the bulk of protein dissociates from the chromosome arms probably because of phosphorylation by PLK1, 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 specificity** Testis specific.

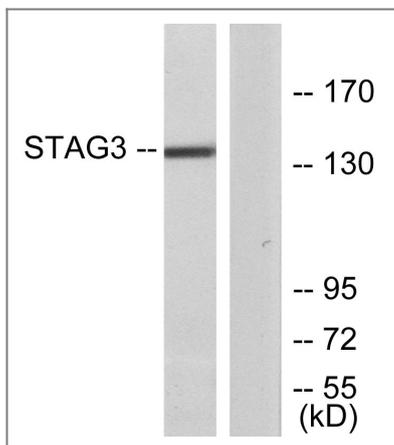
**Function**

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.,similarity:Belongs to the SCC3 family.,similarity:Contains 1 SCD (stromalin conservative) domain.,subcellular location: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 PLK, 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.,subunit: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.,tissue specificity:Testis specific.,

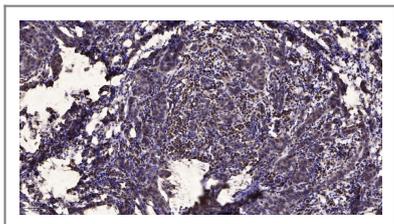
## Validation Data



Western Blot analysis of Jurkat cells using STAG3 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



Western blot analysis of lysates from Jurkat cells, using STAG3 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Breast cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

## Contact information

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Please scan the QR code to access additional product information:  
**STAG3 Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

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