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STAG2 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15291

Specification

STAG2 Antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q8N3U4
Other Accession	NM_006603, NP_006594
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**141kDa KDa**

STAG2 Antibody - C-terminal region - Additional Information

Gene ID 10735

Alias Symbol	**DKFZp686P168, DKFZp781H1753, FLJ25871, SA-2, SA2, bA517O1.1, SCC3B**

Other Names
Cohesin subunit SA-2, SCC3 homolog 2, Stromal antigen 2, STAG2, SA2

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-STAG2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
STAG2 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

STAG2 Antibody - C-terminal region - Protein Information

Name STAG2

Synonyms SA2

Function
Component of cohesin complex, a complex 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 cohesin complex may also play a role in

spindle pole assembly during mitosis.

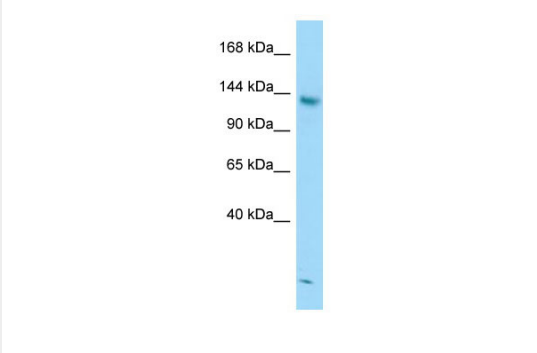
Cellular Location
Nucleus. Chromosome. Chromosome, centromere. Note=Associates with chromatin. Before prophase it is scattered along chromosome arms. During prophase, most of cohesin complexes dissociate from chromatin probably because of phosphorylation by PLK1, except at centromeres, where cohesin complexes remain. At anaphase, the RAD21 subunit of cohesin is cleaved, leading to the dissociation of the complex from chromosomes, allowing chromosome separation. In germ cells, cohesin complex dissociates from chromatin at prophase I, and may be replaced by a meiosis-specific cohesin complex

STAG2 Antibody - C-terminal 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

STAG2 Antibody - C-terminal region - Images



WB Suggested Anti-STAG2 Antibody Titration: 1.0 µg/ml
Positive Control: Jurkat Whole CellSTAG2 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells

STAG2 Antibody - C-terminal region - References

Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Ross M.T.,et al.Nature 434:325-337(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Carramolino L.,et al.Gene 195:151-159(1997).
Carramolino L.,et al.Gene 206:283-286(1998).