

## STAG3 Antibody

*STAG3, stromal antigen 3, SCC3 homolog 3, cohesin subunit SA-3, stromalin 3*

**CATALOG NO.:** 46-437

**HOST:**

Goat

**CLONALITY:**

Polyclonal

**INFORMATION:**

STAG3 Antibody. The immunizing peptide was designed based on the Mouse protein sequence with one residue of a difference from the human sequence.

**SOURCE:**

STAG3 antibody was raised against a synthetic peptide of STAG3.

**PROTEIN ACCESSION NUMBER(S) :**

NP\_058660.2

**SPECIES REACTIVITY:**

Human, Mouse, Rat

**TESTED APPLICATION:**

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**APPLICATION:**

Peptide ELISA: antibody detection limit dilution 1:32,000.  
Western Blot: Preliminary experiments gave an approx 30kDa band in Human Testis lysates after 0.5µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 141kDa according to NP\_058660.2. The 30kDa band was successfully blocked by incubation with the immunizing peptide.

**PURIFICATION:**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

**BUFFER:**

0.1mg of purified antibody in 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

**STORAGE:**

Aliquot and store at -20°C. Minimize freezing and thawing.

**REFERENCE:**

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

**USER NOTES:**

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.