

ARG65049 anti-STAG2 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes STAG2
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Cow, Dog, Pig
Tested Application	WB
Specificity	This antibody is expected to recognize both reported isoforms (NP_001036214.1; NP_006594.3). Reported variants NP_001036215.1 and NP_001036214.1 represent identical protein: Reported variants NP_001036216.1 and NP_006594.3 represent identical protein.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	STAG2
Species	Human
Immunogen	C-SRGSTVRSKSKSPST
Conjugation	Un-conjugated
Alternate Names	SCC3 homolog 2; bA517O1.1; Stromal antigen 2; SA-2; Cohesin subunit SA-2; SA2; SCC3B

Application Instructions

Application table	Application	Dilution
	WB	0.1 - 0.3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 10735 Human](#)

[GeneID: 20843 Mouse](#)

[Swiss-port # O35638 Mouse](#)

[Swiss-port # Q8N3U4 Human](#)

Background

The protein encoded by this gene is a subunit of the cohesin complex, which regulates the separation of sister chromatids during cell division. Targeted inactivation of this gene results in chromatid cohesion defects and aneuploidy, suggesting that genetic disruption of cohesin is a cause of aneuploidy in human cancer. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]

Research Area

Cell Biology and Cellular Response antibody; Gene Regulation antibody

Calculated Mw

141 kDa

PTM

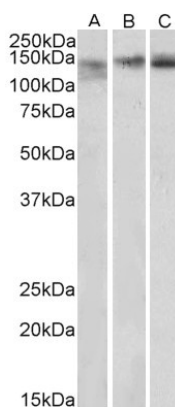
Phosphorylated by PLK1. The large dissociation of cohesin from chromosome arms during prophase is partly due to its phosphorylation (By similarity).

Images



ARG65049 anti-STAG2 antibody WB image

Western blot: K562 lysate (35 µg protein in RIPA buffer) stained with ARG65049 anti-STAG2 antibody at 0.03 µg/ml dilution.



ARG65049 anti-STAG2 antibody WB image

Western blot: Mouse Spleen (A), Mouse Thymus (B) and Rat Spleen (C) lysates (35 µg protein in RIPA buffer) stained with ARG65049 anti-STAG2 antibody at 0.3 µg/ml dilution.