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SA2 Antibody

Rabbit mAb
Catalog # AP91573

Product Information

Application	WB, IHC, IF, FC, ICC, IHF
Primary Accession	Q8N3U4
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	SA 2; SA-2; SA2; SCC3 homolog 2; SCC3B; stag2; Stromal antigen 2;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	141326

Additional Information

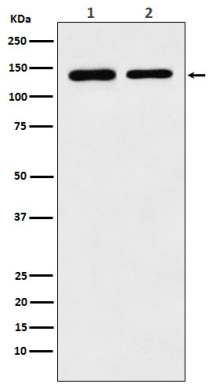
Dilution	WB 1:500~1:1000 IHC 1:100~1:500 ICC/IF 1:50~1:200 FC 1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human SA2
Description	Component of cohesin complex, a complex required for the cohesion of sister chromatids after DNA replication. The cohesin complex 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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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

Images



Western blot analysis of SA2 expression in (1) K562 cell lysate; (2) Raw264.7 cell lysate.