

Anti-STAG2 Antibody (9P946)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9P946
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none">-Positive WB detected in: Hela whole cell lysate, Jurkat whole cell lysate, K562 whole cell lysate-All lanes: SA2 antibody at 1:1000-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution-Predicted band size: 142, 146 kDa <p>-Observed band size: 142 kDa</p> <p>2. Immunofluorescence staining of MCF7 Cells with TMAH-01135 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).</p>
Application:	ELISA,IF,WB
Recommended	WB:1:500-1:5000; IF:1:20-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human SA2
Antigen Species:	Human
Gene ID:	10735
Uniprot ID:	Q8N3U4
Synonyms:	Cohesin subunit SA-2;STAG 2;SCC3 homolog 2;SA2;Stromal antigen 2
Biology Area:	Epigenetics and Nuclear Signaling, Cell biology

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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