

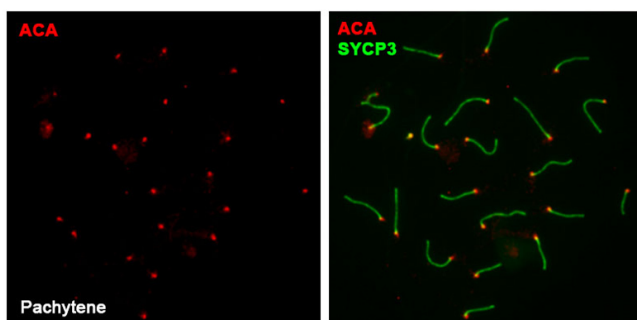
Product Datasheet

Anti-Centromere Protein Antibody

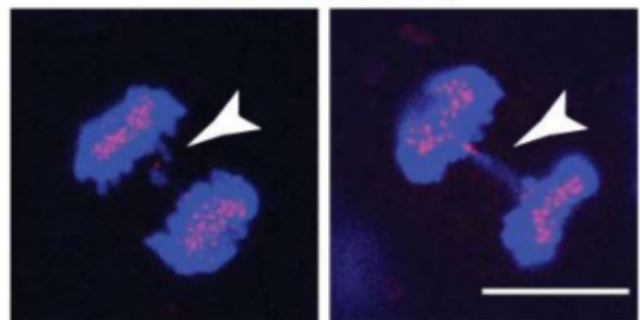
Overview

Catalog #	15-235 (100 μ L size)
Conjugate	Unconjugated
Concentration	Lot dependent (1-2mg/mL)
Host Species	Human Polyclonal
Format	Purified by Protein A chromatography
Buffer	1% BSA, 1X PBS pH 7.4, 0.1% sodium azide.
Applications	ICC, IHC
Species Reactivity	Fish, Horse, Human, Lizard, and Mouse
Immunogen	Purified IgG derived from Human anti-Centromere positive serum (also known as CREST patient serum) is useful as a control in ANA diagnostics and also react with other species including mouse, rat, and hamster.
Molecular Weight	n/a
Cite this Antibody	Antibodies Inc Cat# 15-235, RRID: AB_2939059

Images



Immunolabeling of spreaded WT mouse pachytene spermatocytes positively labeling CREST/Centromere Protein (red, Cat 15-235, 1:20) and SYCP3 (green). Image kindly provided by Fernando Sánchez Sáez and Alberto M. Penás from Universidad de Salamanca, Spain.



Immunofluorescence images of two siTLL1 anaphase cells showing chromosome segregation defects including a lagging chromosome (white arrows). Kinetochores were labeled with CREST (red) and DNA with DAPI (blue). Image from publication CC-BY-4.0. PMID: 36414642

Details

Target Description	Centromere proteins CENPA/B/C are frequent autoantigens in CREST patients
Specificity	No cross-reactivity reported
Purification Method	CREST patient sera subjected to protein A purification to yield purified IgG
Quality Control Tests	Product was tested at a series of dilutions by immunocytochemistry on ethanol-fixed Hep2 cells that were in log-phase growth. The staining pattern obtained was consistent with the pattern expected for anti-centromere staining.
Storage	Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$.

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