

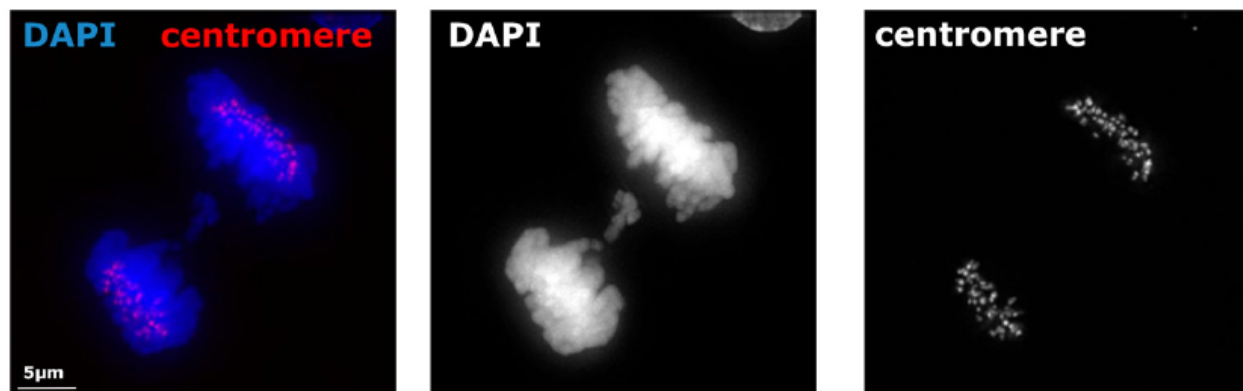
PRODUCT DATASHEET

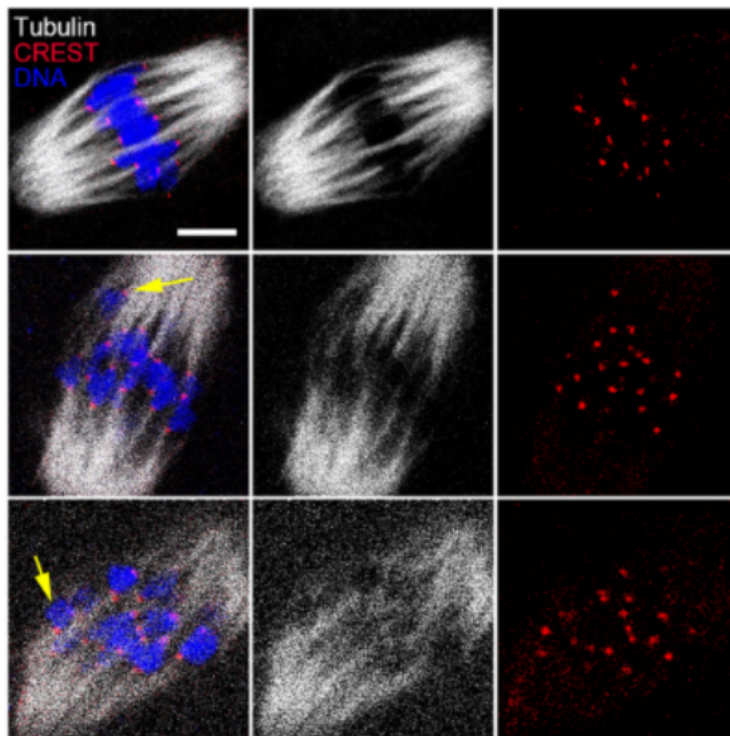
Anti-Centromere Protein Antibody

Overview

Catalog #	15-234 (1 mL size)
Conjugate	Unconjugated
Concentration	Lot dependent
Host Species	Human Polyclonal
Format	Antisera
Buffer	1% BSA, 1X PBS pH 7.4, 0.1% sodium azide.
Applications	ICC, IHC
Species Reactivity	Bovine, Hamster, Human, Lizard, Mouse, Non-Human Primate, Pig, and Rat
Immunogen	Anti-Centromere Antibodies (derived from human CREST patient serum) are useful as controls in ANA diagnostics and also react with other species including mouse, rat, and hamster.
Molecular Weight	n/a
Cite this Antibody	Pel-Freez Biologicals Cat# 15-234, RRID: AB_2939058

Figures





Above: A microscopy image of a cell from BJ hTERT cell line treated with aphidicolin to induce genomic instability. Immunolabeling of the cell positively labelling CREST/Centromere Protein (red, 1:500, Cat No. 15-234) and labelling DNA with DAPI. Image kindly provided by Nadeem Shaikh and Sarah McClelland from Barts Cancer Institute, Queen Mary University of London. Right: Representative images of the morphology of K-M attachments in MI oocytes from both control and BBP-exposed group. α -tubulin (gray); CREST (cat. 15-234, 1:200; red); DNA (blue). Image from publication CC-BY-4.0. PMID: 36756972

Details

Target Description	Centromere proteins CENPA/B/C are frequent autoantigens in CREST patients
Specificity	No cross-reactivity reported
Purification Method	CREST patient sera diluted in storage buffer
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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