

Anti-Pericentrin antibody [mAbcam 28144] - BSA and Azide free ab256363

Recombinant

2 Images

Overview

Product name	Anti-Pericentrin antibody [mAbcam 28144] - BSA and Azide free
Description	Mouse monoclonal [mAbcam 28144] to Pericentrin - BSA and Azide free
Host species	Mouse
Tested applications	Suitable for: ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is considered to be commercially sensitive.
Positive control	ICC/IF: HeLa cells.
General notes	<p>ab256363 is the carrier-free version of ab28144.</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at +4°C. Do Not Freeze.
Storage buffer	Constituent: 100% PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	mAbcam 28144
Myeloma	Sp2/0
Isotype	IgG1
Light chain type	kappa

Applications

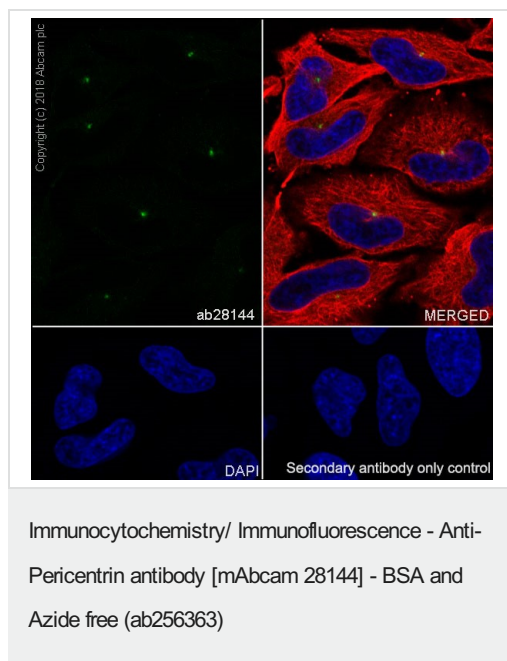
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab256363 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.

Target

Function	Integral component of the filamentous matrix of the centrosome involved in the initial establishment of organized microtubule arrays in both mitosis and meiosis. Plays a role, together with DISC1, in the microtubule network formation. Is an integral component of the pericentriolar material (PCM). May play an important role in preventing premature centrosome splitting during interphase by inhibiting NEK2 kinase activity at the centrosome.
Tissue specificity	Expressed in all tissues tested, including placenta, liver, kidney and thymus.
Involvement in disease	Microcephalic osteodysplastic primordial dwarfism 2
Domain	Composed of a coiled-coil central region flanked by non-helical N- and C-terminals.
Cellular localization	Cytoplasm > cytoskeleton > microtubule organizing center > centrosome. Centrosomal at all stages of the cell cycle. Remains associated with centrosomes following microtubule depolymerization. Colocalized with DISC1 at the centrosome.

Images



This data was developed using the same antibody clone in a different buffer formulation (**ab28144**).

Immunocytochemical analysis of HeLa (human epithelial cell line from cervix adenocarcinoma) cells labeling Pericentrin with **ab28144** at 1/50 dilution at 4°C overnight, followed by AlexaFluor® 488-conjugated Goat anti-Rabbit secondary antibody (**ab150077**) at 1/1000 dilution at RT for 30min.

Alexa Fluor® 594 Anti-alpha Tubulin antibody [DM1A] (**ab195889**) was used as a counterstain at 1/200 dilution at RT for 30min. Nucleus were visualized using DAPI. The cells were 4% PFA fixed and permeabilized with 0.1% Triton X-100.

Confocal image showing centrosome staining in HeLa cells.

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-Pericentrin antibody [mAbcam 28144] - BSA and Azide free (ab256363)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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