

Anti-Coilin antibody [EPR7843(N)] - BSA and Azide free ab249972

KO VALIDATED

Recombinant

RabMAb

2 Images

Overview

Product name	Anti-Coilin antibody [EPR7843(N)] - BSA and Azide free
Description	Rabbit monoclonal [EPR7843(N)] to Coilin - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB Unsuitable for: ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Jurkat and HeLa cell lysates.
General notes	<p>ab249972 is the carrier-free version of ab177466.</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> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EPR7843(N)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249972 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

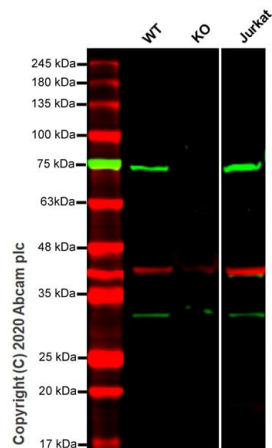
Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 63 kDa.

Application notes Is unsuitable for ICC/IF, IHC-P or IP.

Target

Function	Is a component of the nuclear coiled bodies (CBS) which are involved in the function or assembly/disassembly of nucleoplasmic snRNPs. During mitosis, CBS disassemble, coinciding with a mitotic-specific phosphorylation of p80 coilin.
Tissue specificity	Found in all the cell types examined.
Sequence similarities	Belongs to the coilin family.
Cellular localization	Nucleus. Nuclear coiled body located in the interchromatin space between the nucleolus and the nucleus.

Images



Western blot - Anti-Coilin antibody [EPR7843(N)] - BSA and Azide free (ab249972)

All lanes : Anti-Coilin antibody [EPR7843(N)] - N-terminal ([ab177466](#)) at 1/500 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : COIL knockout HeLa cell lysate

Lane 3 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 63 kDa

Observed band size: 75 kDa

This data was developed using the same antibody clone in a different buffer formulation ([ab177466](#)).

Lanes 1-3: Merged signal (red and green). Green - [ab177466](#) observed at 75 kDa. Red - loading control, [ab181602](#) observed at 37 kDa.

[ab177466](#) Anti-Coilin antibody [EPR7843(N)] - N-terminal was shown to specifically react with Coilin in wild-type HeLa cells. Loss of signal was observed when knockout cell line [ab261757](#) (knockout cell lysate [ab257251](#)) was used. Wild-type and Coilin knockout samples were subjected to SDS-PAGE. [ab177466](#) and Anti-GAPDH antibody [EPR16891] - Loading Control ([ab181602](#)) were incubated overnight at 4°C at 1 in 500 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preadsorbed ([ab216772](#)) and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preadsorbed ([ab216777](#)) secondary antibodies at 1 in 10000 dilution for 1 hour at room temperature before imaging.

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-Coilin antibody [EPR7843(N)] - BSA and Azide free (ab249972)

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

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