


Product datasheet

Anti-Cyclin A2 antibody [EPR17351] (Alexa Fluor® 555) ab217731

Recombinant RabMAb

1 Image

Overview

Product name	Anti-Cyclin A2 antibody [EPR17351] (Alexa Fluor® 555)
Description	Rabbit monoclonal [EPR17351] to Cyclin A2 (Alexa Fluor® 555)
Host species	Rabbit
Conjugation	Alexa Fluor® 555. Ex: 555nm, Em: 565nm
Tested applications	Suitable for: ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment within Mouse Cyclin A2 aa 1-200. The exact sequence is proprietary. Database link: P51943
Positive control	ICC/IF: HeLa cells
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here .

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

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Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 1% BSA, 30% Glycerol, PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR17351
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab217731** in the following tested applications.

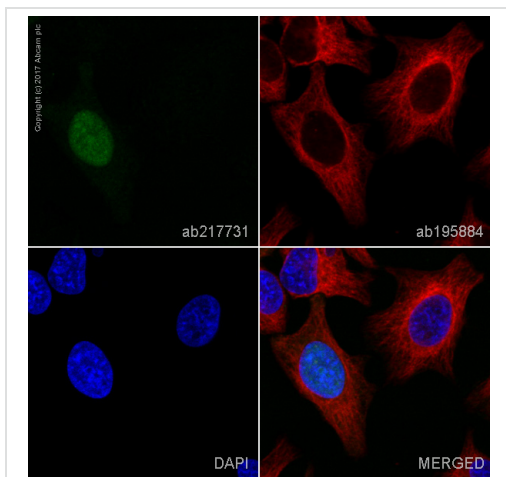
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/1000. This product gave a positive signal in HeLa cells fixed with 4% formaldehyde (10 min) and 100% methanol (5 min)

Target

Function	Essential for the control of the cell cycle at the G1/S (start) and the G2/M (mitosis) transitions.
Sequence similarities	Belongs to the cyclin family. Cyclin AB subfamily.
Developmental stage	Accumulates steadily during G2 and is abruptly destroyed at mitosis.
Cellular localization	Nucleus. Cytoplasm. Cytoplasmic when associated with SCAPER.

Images



Immunocytochemistry/ Immunofluorescence - Anti-Cyclin A2 antibody [EPR17351] (Alexa Fluor® 555) (ab217731)

ab217731 staining Cyclin A2 in HeLa cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab217731 at 1/1000 dilution (**pseudocolored in green**) and ab195884, Rat monoclonal to Tubulin (Alexa Fluor® 647), at 1/250 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

This product also gave a positive signal under the same testing conditions in HeLa cells fixed with 4% formaldehyde (10 min).

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

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