

## Product datasheet

### Anti-Cyclin A2 antibody [E67.1] ab39

★★★★☆ [4 Abreviews](#) [7 References](#) [1 Image](#)

#### Overview

<b>Product name</b>	Anti-Cyclin A2 antibody [E67.1]
<b>Description</b>	Mouse monoclonal [E67.1] to Cyclin A2
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Full length protein corresponding to Cow Cyclin A2.
<b>Epitope</b>	The epitope for this antibody was mapped by phage selection - selected phage contained the sequence LDYP. This would place the epitope within the region spanning amino acids 144 - 148 of human Cyclin A2. Cyclin As that contain the epitope Cow A2 Human A2 Hamster A2 Mouse A2 Cyclin As that do not contain the epitope Chicken A2 Frog A2 Human A1 Mouse A1 Frog A1
<b>General notes</b>	<p>Few other monoclonal antibodies other than E67.1 are able to immunoprecipitate active CDK/Cyclin A H1 kinase from such a wide range of species.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituent: 99.98% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	E67.1
<b>Myeloma</b>	unknown

<b>Isotype</b>	IgG2a
<b>Light chain type</b>	unknown

## Applications

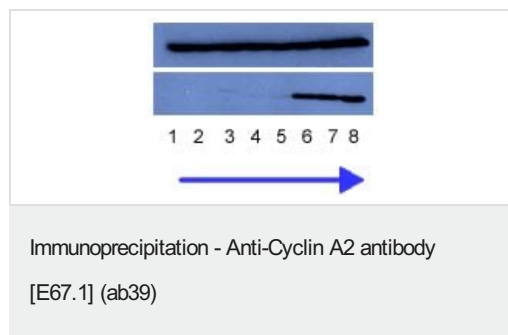
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab39 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP	★★★★★ (1)	Use a concentration of 2.5 µg/ml.

## Target

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

## Images



Cells at stages in the cell cycle from quiescence to mitosis (1-8) were loaded onto SDSPAGE and blotted with anti CDK2 antibody. Note all cells have similar amounts of CDK2. In the lower panel these same extracts were first immunoprecipitated with anti Cyclin A monoclonal E67. In these lanes, only the CDK2 that is complexed to Cyclin A is immunoblotted. Note only the CDK2 in the later stages of the cell cycle is immunoprecipitated, which is when Cyclin A is made, This clearly shows that this antibody is able to immunoprecipitate cyclin A when it is bound to CDK2.

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