abcam

Product datasheet

Anti-Cyclin A1 antibody ab133183

4 References 2 Images

Overview

Product name	Anti-Cyclin A1 antibody
Description	Rabbit polyclonal to Cyclin A1
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	Synthetic peptide from the C-terminal region of Human Cyclin A1.
Positive control	SKOV3 cell extract; Human testis tissue.
General notes	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. 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&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 0.88% Sodium chloride, 50% Glycerol (glycerin, glycerine) PBS is without Mg^{2+} and Ca^{2+}
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

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The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab133183 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
WB		1/500 - 1/1000. Predicted molecular weight: 52 kDa.
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function May be involved in the control of the cell cycle at the G1/S (start) and G2/M (mitosis) transitions. May primarily function in the control of the germline meiotic cell cycle and additionally in the control of mitotic cell cycle in some somatic cells.

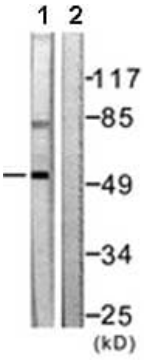
Tissue specificity Very high levels in testis and very low levels in brain. Also found in myeloid Leukemia cell lines.

Sequence similarities Belongs to the cyclin family. Cyclin AB subfamily.

Developmental stage Expression increases in early G1 phase and reaches highest levels during the S and G2/M phases.

Cellular localization Nucleus.

Images



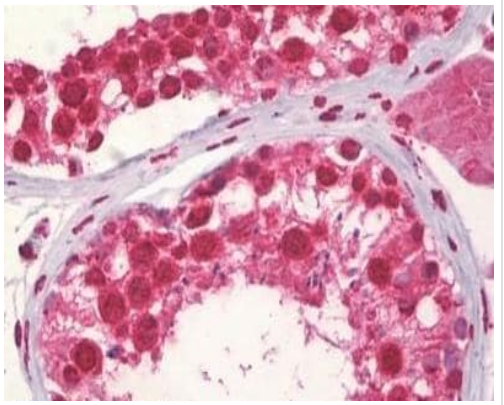
Western blot - Anti-Cyclin A1 antibody (ab133183)

All lanes : Anti-Cyclin A1 antibody (ab133183) at 1/500 dilution

Lane 1 : SKOV3 cell extract

Lane 2 : SKOV3 cell extract with synthesized peptide

Predicted band size: 52 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cyclin A1 antibody (ab133183)

Immunohistochemical analysis of paraffin embedded Human testis tissue labelling Cyclin A1 with ab133183 antibody at a concentration of 5 µg/ml, followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.

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