abcam

Product datasheet

Anti-Cyclin E1 antibody [168] ab16122

Overview

Product name	Anti-Cyclin E1 antibody [168]
Description	Mouse monoclonal [168] to Cyclin E1
Host species	Mouse
Tested applications	**Suitable for:** WB, IP
Species reactivity	**Reacts with:** Human, Monkey
Immunogen	Recombinant full length protein corresponding to Human Cyclin E1.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.08% Sodium azide Constituent: PBS
Purification notes	This antibody is provided as a 0.2 µm sterile filtered solution.
Clonality	Monoclonal
Clone number	168
Isotype	IgG2a

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab16122 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		Use at an assay dependent dilution. Detects a band of approximately 50 kDa (predicted molecular weight: 47 kDa).
IP		Use at an assay dependent dilution.

Target

Function	Essential for the control of the cell cycle at the G1/S (start) transition.
Tissue specificity	Highly expressed in testis and placenta. Low levels in bronchial epithelial cells.
Sequence similarities	Belongs to the cyclin family. Cyclin E subfamily.
Post-translational modifications	Phosphorylation of Thr-395 by GSK3 and of Ser-399 by CDK2 accelerates degradation via the ubiquitin proteasome pathway. Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus.

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