abcam

Product datasheet

Anti-Cyclin B1 (phospho S126) antibody ab55184

8 References 2 Images

Overview

Product name	Anti-Cyclin B1 (phospho S126) antibody
Description	Rabbit polyclonal to Cyclin B1 (phospho S126)
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	Synthetic peptide corresponding to Human Cyclin B1 (phospho S126). Synthetic phosphopeptide derived from human Cyclin B1 around the phosphorylation site of serine 126 (T-A-SP-P-S). Database link: **P14635**
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. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride, PBS
Purity	Immunogen affinity purified
Purification notes	The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab55184 in the following tested applications.

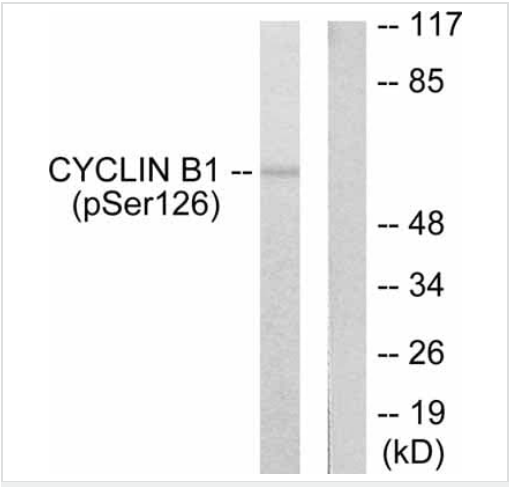
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Detects a band of approximately 65 kDa (predicted molecular weight: 48 kDa).
IHC-P		1/50 - 1/100.

Target

Function	Essential for the control of the cell cycle at the G2/M (mitosis) transition.
Sequence similarities	Belongs to the cyclin family. Cyclin AB subfamily.
Developmental stage	Accumulates steadily during G2 and is abruptly destroyed at mitosis.
Post-translational modifications	Ubiquitinated by the SCF(NIPA) complex during interphase, leading to its destruction. Not ubiquitinated during G2/M phases.
Cellular localization	Cytoplasm. Nucleus. Cytoplasm > cytoskeleton > centrosome.

Images

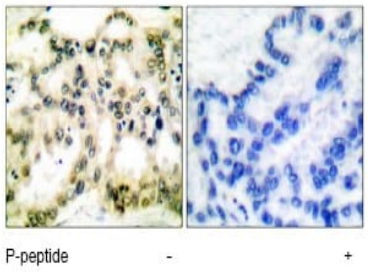


Western blot - Anti-Cyclin B1 (phospho S126) antibody (ab55184)

All lanes : Anti-Cyclin B1 (phospho S126) antibody (ab55184) at 1/500 dilution

Lane 1 : extracts from NIH/3T3 cells treated with EGF (200ng/ml, 15mins).
Lane 2 : extracts from NIH/3T3 cells treated with EGF (200ng/ml, 15mins); **ab36621** pre-incubated with the immunising phosphopeptide.

Predicted band size: 48 kDa
Observed band size: 65 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cyclin B1 (phospho S126) antibody (ab55184)

Immunohistochemical analysis of Cyclin B1 (phospho S126) expression in paraffin embedded human lung carcinoma tissue using ab55184 at 1/50 dilution (left). Right hand panel represents a negative control where ab55184 was pre-incubated with the immunising (blocking) phosphopeptide.

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