abcam

Product datasheet

Anti-Cyclin B1 antibody [Y106] - BSA and Azide free ab156447

KO 評価済 リコンビナント RabMAb

画像数 8

製品の概要

製品名	Anti-Cyclin B1 antibody [Y106] - BSA and Azide free
製品の詳細	Rabbit monoclonal [Y106] to Cyclin B1 - BSA and Azide free
由来種	Rabbit
特異性	This antibody is specific for Human cyclin B1.It does not cross-react with other cyclin family members.
アプリケーション	**適用あり:** Flow Cyt (Intra), WB, IP, IHC-P, ICC/IF
種交差性	**交差種:** Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	ab156447 is the carrier-free version of **ab32053**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - 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**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	Y106
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab156447の使用に適用されます

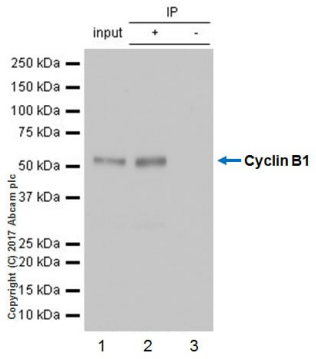
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use at an assay dependent concentration. **ab199376** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		Use at an assay dependent concentration. Predicted molecular weight: 58 kDa.
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.

ターゲット情報

機能	Essential for the control of the cell cycle at the G2/M (mitosis) transition.
配列類似性	Belongs to the cyclin family. Cyclin AB subfamily.
発生段階	Accumulates steadily during G2 and is abruptly destroyed at mitosis.
翻訳後修飾	Ubiquitinated by the SCF(NIPA) complex during interphase, leading to its destruction. Not ubiquitinated during G2/M phases.
細胞内局在	Cytoplasm. Nucleus. Cytoplasm > cytoskeleton > centrosome.

画像



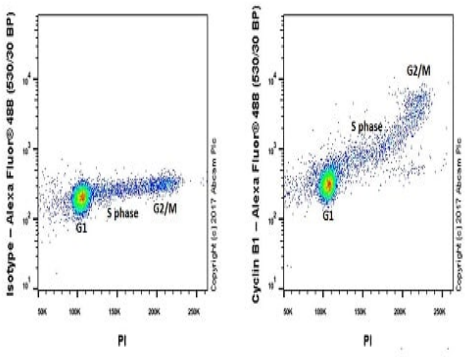
Immunoprecipitation - Anti-Cyclin B1 antibody [Y106] - BSA and Azide free (ab156447)

ab32053 (purified) at 1:20 dilution (2µg) immunoprecipitating Cyclin B1 in Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate.

Lane 1 (input): Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate 10µg
Lane 2 (+): **ab32053** & Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab32053** in Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate

For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used for detection at 1:1000 dilution.
Blocking and diluting buffer: 5% NFDM/TBST.

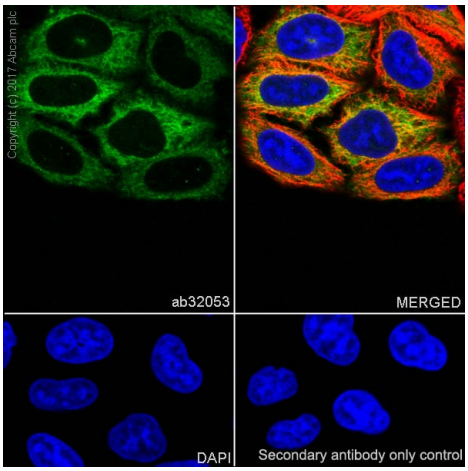
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32053**).



Flow Cytometry (Intracellular) - Anti-Cyclin B1 antibody [Y106] - BSA and Azide free (ab156447)

Intracellular Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling Cyclin B1 with purified **ab32053** at 1/400 dilution (1 µg/ml) (red). Cells were fixed with 80% Methanol and permeabilised with 0.1% Tween-20. A Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody was used at 1/2000 dilution. Isotype control - Rabbit monoclonal IgG (Left). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue). Cells were pre-treated with 20µg/ml RNaseA for 30min to minimize the binding between PI and RNA.Then intracellular stained with **ab32053** and PI.

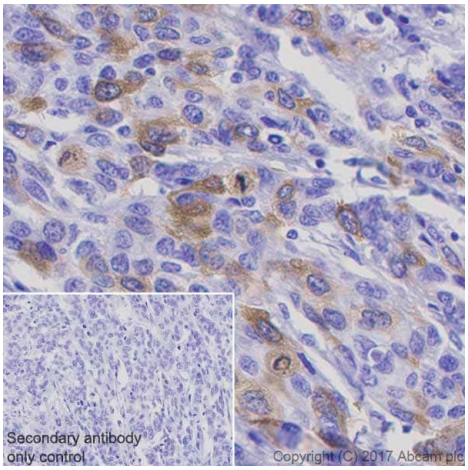
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32053**).



Immunocytochemistry/ Immunofluorescence - Anti-Cyclin B1 antibody [Y106] - BSA and Azide free (ab156447)

Immunocytochemistry/ Immunofluorescence analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling Cyclin B1 with Purified **ab32053** at 1:100 dilution. Cells were fixed in 100% Methanol. **ab150077** Goat anti rabbit IgG(Alexa Fluor® 488) was used as the secondary antibody at 1:1000 dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

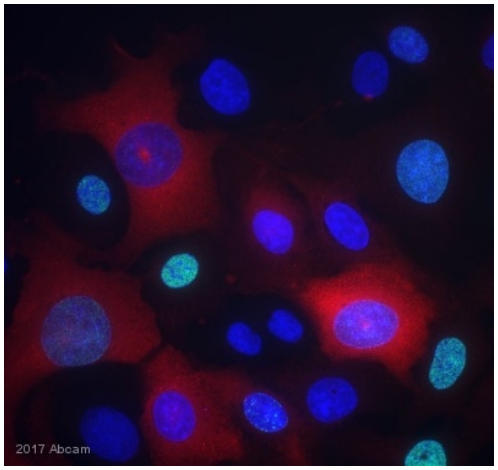
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32053**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cyclin B1 antibody [Y106] - BSA and Azide free (ab156447)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human cervical carcinoma tissue sections labeling Cyclin B1 with Purified **ab32053** at 1:250 dilution (1.47 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32053**).

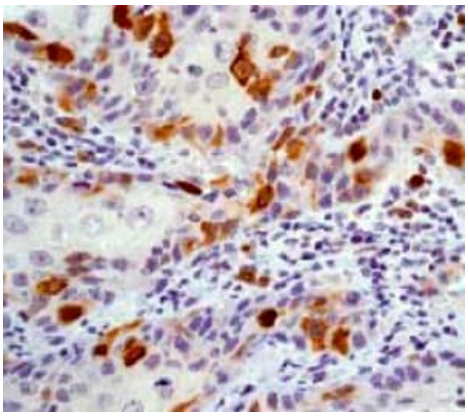


Immunocytochemistry/ Immunofluorescence - Anti-Cyclin B1 antibody [Y106] - BSA and Azide free (ab156447)

This image is courtesy of an Abreview submitted by Stephanie Hilss.

Unpurified **ab32053** staining Cyclin B1 in the U2OS cell line from human by ICC/IF (Immunocytochemistry/immunofluorescence).Cells were fixed with formaldehyde,permeabilized with 1% Triton X-100 in PBS and blocked with 1% BSA for 1 hour at 37°C.Alexa Fluor® 594-conjugated goat anti-rabbit IgG polyclonal was used as the secondary antibody.

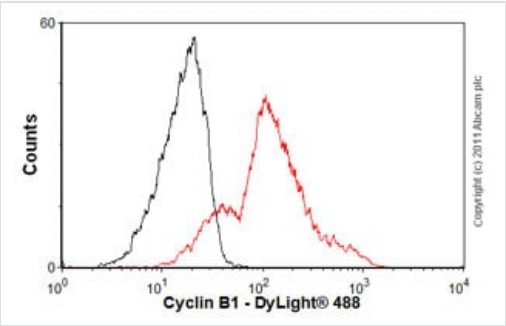
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32053**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cyclin B1 antibody [Y106] - BSA and Azide free (ab156447)

Unpurified **ab32053** at a 1:100 dilution staining Human cyclin B1 in human skin carcinoma, using Immunohistochemistry, Paraffin Embedded Tissue.

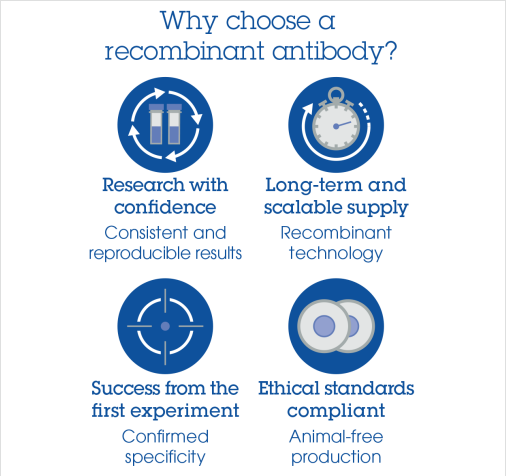
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32053**).



Flow Cytometry (Intracellular) - Anti-Cyclin B1 antibody [Y106] - BSA and Azide free (ab156447)

Overlay histogram showing Jurkat cells stained with unpurified **ab32053** (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (**ab32053**, 1/20 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) (**ab96899**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32053**).



Anti-Cyclin B1 antibody [Y106] - BSA and Azide free (ab156447)

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