abcam

Product datasheet

Anti-Bcl10 antibody [EP606Y] - BSA and Azide free ab189219

KO 評価済 リコンビナント RabMAb

画像数 9

製品の概要

製品名	Anti-Bcl10 antibody [EP606Y] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EP606Y] to Bcl10 - BSA and Azide free
由来種	Rabbit
特異性	This antibody does not react with mouse species in Western blot, Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) and Immunoprecipitation application. This antibody does not react with rat species in Western blot application.
アプリケーション	**適用あり:** Flow Cyt (Intra), ICC/IF, IP, WB, IHC-P
種交差性	**交差種:** Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	IHC-P: Human lung carcinoma tissue. WB: HeLa and Romas cell lysates.
特記事項	ab189219 is the carrier-free version of **ab33905**. 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**.

Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

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	pH: 7.2 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	EP606Y
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ab189219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。

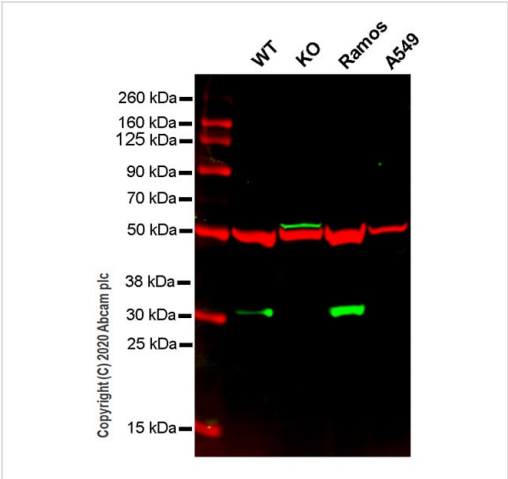
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use at an assay dependent concentration. **ab199376** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 32 kDa (predicted molecular weight: 31 kDa).
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.

ターゲット情報

機能	Promotes apoptosis, pro-caspase-9 maturation and activation of NF-kappa-B via NIK and IKK. May be an adapter protein between upstream TNFR1-TRADD-RIP complex and the downstream NIK-IKK-IKAP complex. Is a substrate for MALT1.
組織特異性	Ubiquitous.
関連疾患	Note=A chromosomal aberration involving BCL10 is recurrent in low-grade mucosa-associated

	lymphoid tissue (MALT lymphoma). Translocation t(1;14)(p22;q32). Although the BCL10/IgH translocation leaves the coding region of BCL10 intact, frequent BCL10 mutations could be attributed to the Ig somatic hypermutation mechanism resulting in nucleotide transitions. Note=Defects in BCL10 are involved in various types of cancer.
配列類似性	Contains 1 CARD domain.
翻訳後修飾	Phosphorylated. Phosphorylation results in dissociation from TRAF2 and binding to BIRC2/c-IAP2.
細胞内局在	Cytoplasm > perinuclear region. Membrane raft. Appears to have a perinuclear, compact and filamentous pattern of expression. Also found in the nucleus of several types of tumor cells. Colocalized with DPP4 in membrane rafts.

画像



Western blot - Anti-Bcl10 antibody [EP606Y] - BSA and Azide free (ab189219)

All lanes : Anti-Bcl10 antibody [EP606Y] (**ab33905**) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate
Lane 2 : BCL10 knockout HeLa cell lysate
Lane 3 : Ramos cell lysate
Lane 4 : A549 cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

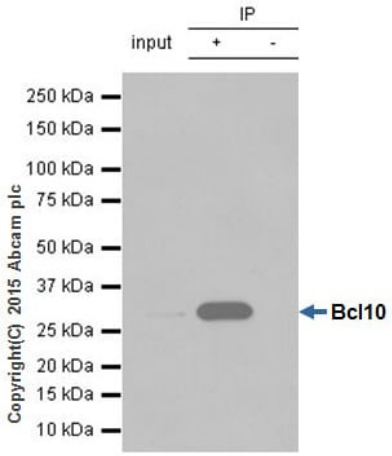
Predicted band size: 31 kDa
Observed band size: 32 kDa

This data was developed using the same antibody clone in a different buffer formulation (**ab33905**).

Lanes 1-4: Merged signal (red and green). Green - **ab33905** observed at 32 kDa. Red - loading control, **ab7291** observed at 52 kDa.

ab33905 Anti-Bcl10 antibody [EP606Y] was shown to specifically react with Bcl10 in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab261797** (knockout cell lysate **ab257144**) was used. Wild-type and Bcl10 knockout samples were subjected to SDS-PAGE. **ab33905** and Anti-alpha Tubulin antibody [DM1A] - Loading Control (**ab7291**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW)

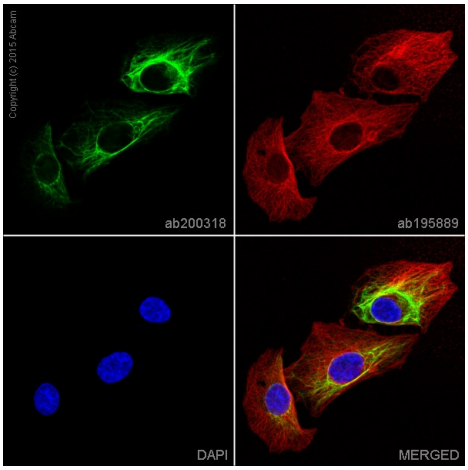
preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 10000 dilution for 1 hour at room temperature before imaging.



Immunoprecipitation - Anti-Bcl10 antibody [EP606Y] - BSA and Azide free (ab189219)

ab33905 (purified) at 1/20 immunoprecipitating Bcl10 in 10 µg Ramos cell lysate (Lanes 1 and 2, observed at 32 kDa). Lane 3 - Rabbit monoclonal IgG (**ab172730**). For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10,000 dilution. Blocking buffer and concentration: 5% NFDM/TBST Dilution buffer and concentration: 5% NFDM/TBST

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab33905**).

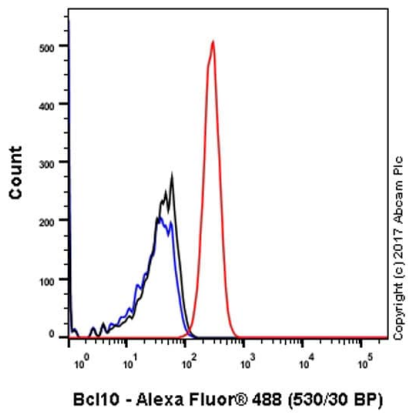


Immunocytochemistry/ Immunofluorescence - Anti-Bcl10 antibody [EP606Y] - BSA and Azide free (ab189219)

Clone EP606Y (ab189219) has been successfully conjugated by Abcam. This image was generated using Anti-Bcl10 antibody [EP606Y] (Alexa Fluor® 488). Please refer to **ab200318** for protocol details.

ab200318 staining Bcl-10 in HeLa cells. The cells were fixed with 100% methanol (5min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with **ab200318** at 1/200 dilution (shown in green) and **ab195889**, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 594), at 2µg/ml (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).

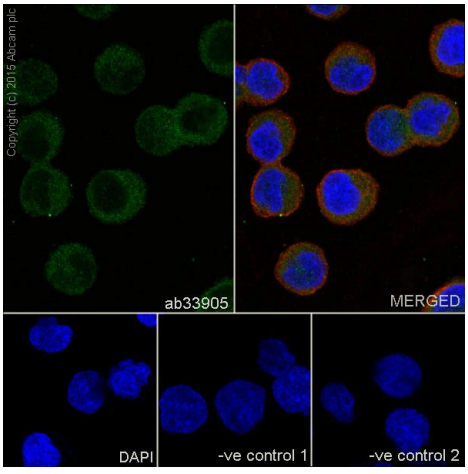
Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



Flow Cytometry (Intracellular) - Anti-Bcl10 antibody [EP606Y] - BSA and Azide free (ab189219)

Intracellular Flow Cytometry analysis of Raji (human Burkitt's lymphoma) cells labeling Bcl10 (red) with **ab33905** at a 1/200 dilution. Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. A goat anti-rabbit IgG (Alexa Fluorr® 488) (**ab150077**) was used as the secondary antibody at a 1/2000 dilution. Black - Rabbit monoclonal IgG (**ab172730**). Blue (unlabeled control) - Cells without incubation with primary and secondary antibodies.

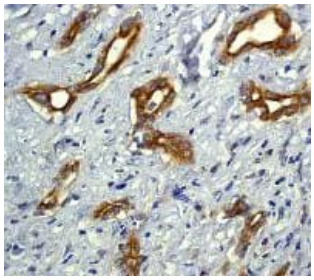
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab33905**).



Immunocytochemistry/ Immunofluorescence - Anti-Bcl10 antibody [EP606Y] - BSA and Azide free (ab189219)

Immunofluorescence staining of Raji cells with purified **ab33905** at a working dilution of 1/100, counter-stained with DAPI. The secondary antibody was Alexa Fluor® 488 goat anti-rabbit (**ab150077**), used at a dilution of 1/1000. **ab7291**, a mouse anti-tubulin antibody (1/1000), was used to stain tubulin along with **ab150120** (Alexa Fluor® 594 goat anti-mouse, 1/1000), shown in the top right hand panel. The cells were fixed in 4 % PFA and permeabilized using 0.1% Triton X 100. The negative controls are shown in bottom middle and right hand panels - for negative control 1, purified **ab33905** was used at a dilution of 1/500 followed by an Alexa Fluor® 594 goat anti-mouse antibody (**ab150120**) at a dilution of 1/500. For negative control 2, **ab7291** (mouse anti-tubulin) was used at a dilution of 1/500 followed by an Alexa Fluor® 488 goat anti-rabbit antibody (**ab150077**) at a dilution of 1/400.

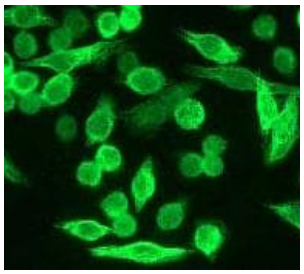
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab33905**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bcl10 antibody [EP606Y] - BSA and Azide free (ab189219)

Unpurified **ab33905**, at a 1/100 dilution, staining human hepatocellular carcinoma by Immunohistochemistry, Paraffin embedded tissue.

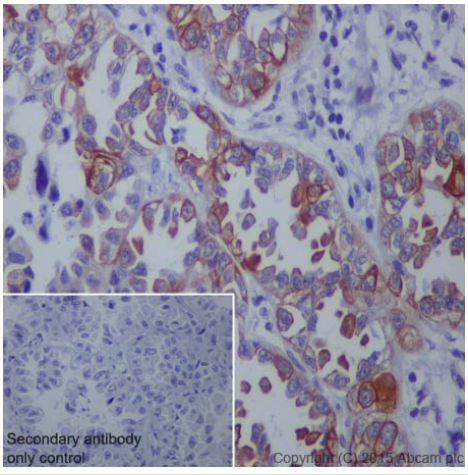
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab33905**).



Immunocytochemistry/ Immunofluorescence - Anti-Bcl10 antibody [EP606Y] - BSA and Azide free (ab189219)

Unpurified **ab33905**, staining HeLa cells by Immunofluorescent.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab33905**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bcl10 antibody [EP606Y] - BSA and Azide free (ab189219)

Immunohistochemical staining of paraffin embedded human lung carcinoma tissue with purified **ab33905** at a working dilution of 1/50. The secondary antibody used is **ab97051**, a goat anti-rabbit IgG (H&L) at a dilution of 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was perfomed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab33905**).

Anti-Bcl10 antibody [EP606Y] - BSA and Azide free

(ab189219)

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