

Product datasheet

Anti-Bcr-abl antibody [7C6] ab187831

Recombinant

[8 References](#) [3 Images](#)

Overview

Product name	Anti-Bcr-abl antibody [7C6]
Description	Mouse monoclonal [7C6] to Bcr-abl
Host species	Mouse
Specificity	This antibody recognizes an epitope within the amino acid sequence SSINEETPRRQS of Bcr/Abl.
Tested applications	Suitable for: ICC/IF, WB Unsuitable for: IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Epitope	Cells from immunized Balb/c mice were fused with the P3X63Ag8 myeloma cell line.
Positive control	WB: K562 whole cell lysate. ICC/IF: K562 cells.
General notes	<p>This product has switched from a hybridoma to recombinant production method on 08th March 2021.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Clonality	Monoclonal

Clone number	7C6
Myeloma	P3-x63-Ag8
Isotype	IgG2a

Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab187831 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

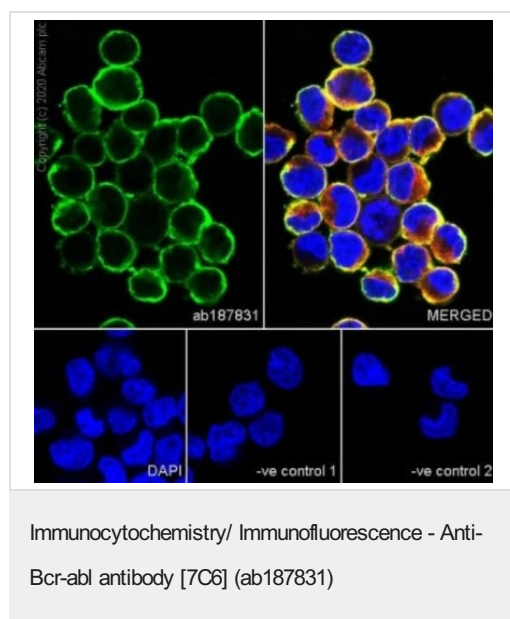
Application	Abreviews	Notes
ICC/IF		1/250.
WB		1/1000. Predicted molecular weight: 197 kDa.

Application notes Is unsuitable for IHC-P or IP.

Target

Relevance The BCR gene is involved in the 9:22 translocation that generates the Philadelphia chromosome both in chronic myeloid leukemia (CML) and in a proportion of cases of acute lymphocytic leukemia (ALL). A 5' bcr sequence becomes fused to an abl sequence (including tyrosine kinase domain sequences) from chromosome 9 and results in the production of a chimaeric BCR-ABL protein with enhanced kinase activity. These antibodies may be useful for studies of the oncogene and have potential diagnostic and prognostic applications.

Images



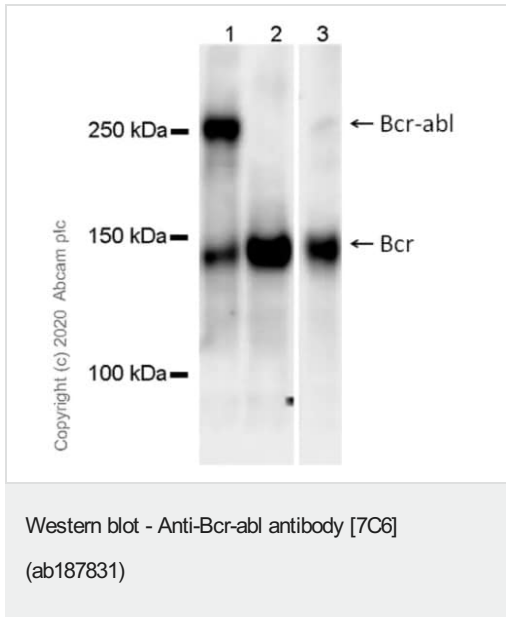
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 fixed K562 (human chronic myelogenous leukemia lymphoblast) cells labeling Bcr-abl with ab187831 at 1/250 dilution, followed by **ab150113** Goat Anti-Mouse IgG H&L (Alexa Fluor[®] 488) secondary antibody at 1/1000 dilution (Green). Confocal image showing strongly cytoplasmic staining in K-562 cell line. The nuclear counter stain id DAPI (Blue). Tubulin is detected using **ab179513** Anti-beta Tubulin rabbit monoclonal antibody at 1/200 dilution, followed by **ab150080** Goat Anti-Rabbit IgG H&L (Alexa Fluor[®] 594) at 1/500 dilution (Red).

The negative controls are as follows:

-ve control 1: ab187831 at 1/250 dilution, followed by **ab150080** Goat Anti-Rabbit IgG H&L (Alexa Fluor[®] 594) secondary at 1/500 dilution.

-ve control 2: Primary (**ab179513**) at 1/200 dilution, followed by **ab150113** Goat Anti-Mouse IgG H&L (Alexa Fluor[®] 488) secondary

at 1/1000 dilution.



All lanes : Anti-Bcr-abl antibody [7C6] (ab187831) at 1/1000 dilution

Lane 1 : K562 (human chronic myelogenous leukemia lymphoblast), whole cell lysate

Lane 2 : Jurkat (human T cell leukemia T lymphocyte), whole cell lysate

Lane 3 : HEK-293 (human embryonic kidney epithelial cell), whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-Mouse IgG (H+L), Peroxidase conjugated at 1/10000 dilution

Predicted band size: 197 kDa

Observed band size: 142,210 kDa

Blocking and diluting buffer and concentration: 5% NFD/MTBST

Lysates should be non-boiled as boiling may cause protein aggregates.

Exposure time: 59 seconds

Why choose a recombinant antibody?

<p>Research with confidence Consistent and reproducible results</p>	<p>Long-term and scalable supply Recombinant technology</p>
<p>Success from the first experiment Confirmed specificity</p>	<p>Ethical standards compliant Animal-free production</p>

Anti-Bcr-abl antibody [7C6] (ab187831)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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