

Product datasheet

Anti-BRD3 antibody [2088C3α] ab50818

KO VALIDATED

★★★★☆ [1 Abreviews](#) [17 References](#) [7 Images](#)

Overview

Product name	Anti-BRD3 antibody [2088C3α]
Description	Mouse monoclonal [2088C3α] to BRD3
Host species	Mouse
Tested applications	Suitable for: Flow Cyt, WB, IP, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment of BRD3 (Human)
Positive control	WB: HEK293T, Jurkat, HeLa, F2408 and NIH3T3 whole cell lysates. ICC/IF and Flow Cyt: HeLa cells. IP: RIPA lysate of HeLa cells.
General notes	<p>This product was changed from ascites to tissue culture supernatant on 9th August 2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at 4°C (stable for up to 12 months). Store at -20°C or -80°C.
Storage buffer	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: 1% BSA, PBS
Purity	Protein G purified
Purification notes	Purified from TCS
Clonality	Monoclonal

Clone number	2088C3a
Isotype	IgG1

Applications

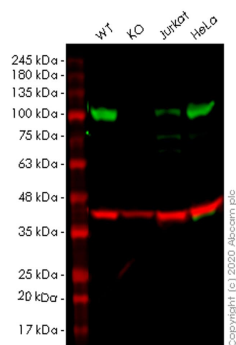
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab50818 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use a concentration of 0.5 µg/ml. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (1)	1/50. Detects a band of approximately 90 kDa (predicted molecular weight: 80 kDa).
IP		Use at 1-5 µg/mg of lysate.
ICC/IF		1/10.

Target

Tissue specificity	Ubiquitous.
Involvement in disease	Note=A chromosomal aberration involving BRD3 is found in a rare, aggressive, and lethal carcinoma arising in midline organs of young people. Translocation t(15;9)(q14;q34) with NUT which produces a BRD3-NUT fusion protein.
Sequence similarities	Contains 2 bromo domains.
Cellular localization	Nucleus.

Images



Western blot - Anti-BRD3 antibody [2088C3a]
(ab50818)

All lanes : Anti-BRD3 antibody [2088C3a] (ab50818) at 1/500 dilution

Lane 1 : Wild-type HEK293T cell lysate

Lane 2 : BRD3 knockout HEK293T cell lysate

Lane 3 : Jurkat cell lysate

Lane 4 : HeLa cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

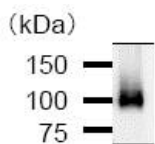
All lanes : Goat Anti-Rabbit IgG H&L (IRDye® 680RD) preadsorbed ([ab216777](#)) at 1/10000 dilution

Predicted band size: 80 kDa

Observed band size: 100 kDa

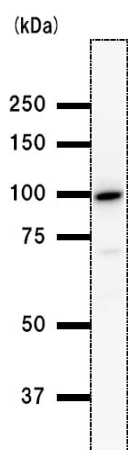
Lanes 1-4: Merged signal (red and green). Green - ab50818 observed at 100 kDa. Red - loading control [ab181602](#) observed at 36 kDa.

ab50818 Anti-BRD3 antibody [2088C3a] was shown to specifically react with BRD3 in wild-type HEK293T cells. Loss of signal was observed when knockout cell line [ab266793](#) (knockout cell lysate [ab258335](#)) was used. Wild-type and BRD3 knockout samples were subjected to SDS-PAGE. ab50818 and Anti-GAPDH antibody[EPR16891] - Loading Control ([ab181602](#)) were incubated overnight at 4°C at 1 in 500 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 680RD) preadsorbed ([ab216777](#)) and Goat anti-Mouse IgG H&L (IRDye® 800CW) preadsorbed ([ab216772](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunoprecipitation - Anti-BRD3 antibody
[2088C3a] (ab50818)

Immunoprecipitation of BRD3 from RIPA lysate of HeLa cells (500µg) using 5µg ab50818. Visualized by western blot using 1/50 [ab50518](#) as primary and anti-mouse IgG secondary (1:2500). Predicted band size 80 KDa.



Western blot - Anti-BRD3 antibody [2088C3a]
(ab50818)

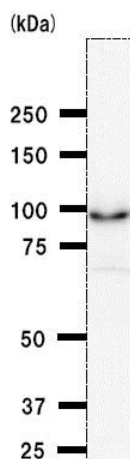
Anti-BRD3 antibody [2088C3a] (ab50818) at 1/200 dilution +
F2408 whole cell lysate at 50 µg

Secondary

Anti Mouse IgG antibody at 1/2500 dilution

Predicted band size: 80 kDa

Observed band size: 100 kDa



Western blot - Anti-BRD3 antibody [2088C3a]
(ab50818)

Anti-BRD3 antibody [2088C3a] (ab50818) at 1/50 dilution + HeLa
whole cell lysate at 50 µg

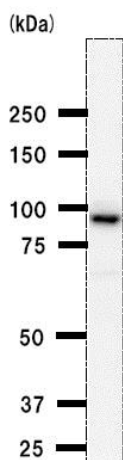
Secondary

Anti-Mouse IgG antibody at 1/2500 dilution

Developed using the ECL technique.

Predicted band size: 80 kDa

Observed band size: 90 kDa



Western blot - Anti-BRD3 antibody [2088C3a]
(ab50818)

Anti-BRD3 antibody [2088C3a] (ab50818) at 1/50 dilution +
NIH3T3 whole cell lysate at 50 µg

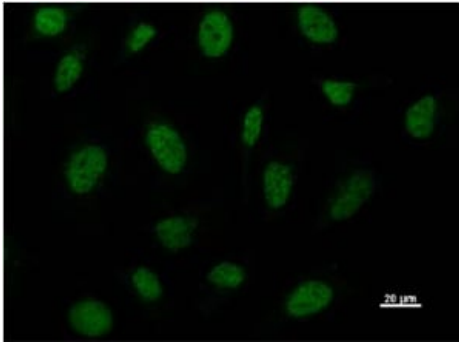
Secondary

Anti-Mouse IgG antibody at 1/2500 dilution

Developed using the ECL technique.

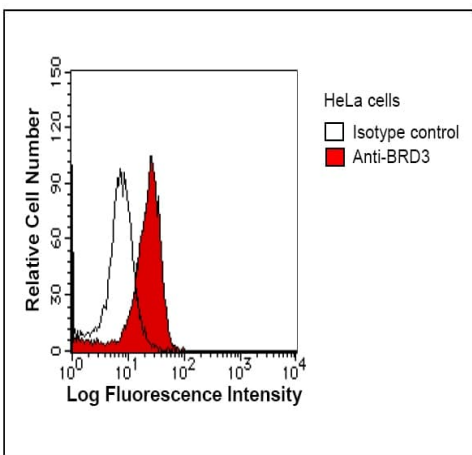
Predicted band size: 80 kDa

Observed band size: 90 kDa



Immunocytochemistry/ Immunofluorescence - Anti-BRD3 antibody [2088C3a] (ab50818)

Immunofluorescent staining of HeLa cells using ab50818 Anti-BRD3 Antibody (1/10 dilution) as primary and AlexaFluor®488 Goat Anti-mouse IgG (1/200 dilution)



Flow Cytometry - Anti-BRD3 antibody [2088C3a] (ab50818)

Flow Cytometric analysis using ab50818 (0.5ug). Secondary antibody used: AlexaFluor®488 Goat Anti-mouse IgG (0.25 μg)

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