abcam

Product datasheet

Anti-BRD3 antibody [EPR23743-226] ab300106

KO VALIDATED Recombinant RabMAb

2 Images

Overview

Product name	Anti-BRD3 antibody [EPR23743-226]
Description	Rabbit monoclonal [EPR23743-226] to BRD3
Host species	Rabbit
Tested applications	**Suitable for:** WB **Unsuitable for:** ChIP,Flow Cyt (Intra),ICC/IF,IHC-P or IP
Species reactivity	**Reacts with:** Human **Does not react with:** Mouse
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Wild type HEK-293T (human embryonic kidney epithelial cell), whole cell lysate, HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate.
General notes	Ab300106 is not reactive in ICC and Flow Cyt. with Mouse and Rat species. 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**.

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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number	EPR23743-226
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab300106 in the following tested applications.

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

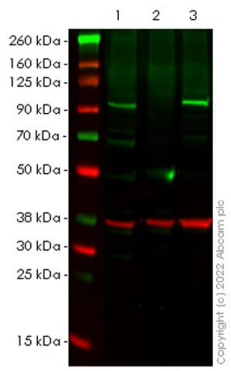
Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 100 kDa (predicted molecular weight: 80 kDa).

Application notes Is unsuitable for ChIP,Flow Cyt (Intra),ICC/IF,IHC-P or IP.

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 [EPR23743-226] (AB300106)

All lanes : Anti-BRD3 antibody [EPR23743-226] (ab300106) at 1/1000 dilution

Lane 1 : Wild type HEK-293T (human embryonic kidney epithelial cell), whole cell lysate
Lane 2 : BRD3 knockout HEK-293T whole cell lysate
Lane 3 : HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) at 1/10000 dilution

Predicted band size: 80 kDa
Observed band size: 100 kDa

Blocking and dilution buffer and concentration: Intercept® (TBS) Blocking Buffer diluted with an equal volume of 0.1% TBS.

The identity of the lower MW band at approximately 50kDa is unknown.
Lysates/proteins at 20 µg per lane.
Performed under reducing conditions.
False colour image of Western blot: Anti-BRD3 antibody [EPR23743-226] staining at 1/1000 dilution, shown in green; Mouse anti-GAPDH antibody 6C5 loading control staining at 1/20000 dilution, shown in red.
In Western blot, ab300106 was shown to bind specifically to BRD3. A band was observed at 100 kDa in wild-type HEK-293 cell lysates with no signal observed at this size in BRD3 knockout cell line **ab266793** (knockout cell lysate **ab258335**). To generate this image, wild-type and BRD3 knockout HEK-293 cell lysates were analyzed. First, samples were run on an SDS-PAGE gel then transferred onto an immobilon-FL PVDF membrane. Membranes were blocked in Intercept® (TBS) Blocking Buffer diluted with an equal volume of 0.1% TBS before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) at 1/10000 dilution.

Anti-BRD3 antibody [EPR23743-226] (AB300106)

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- We investigate all quality concerns to ensure our products perform to the highest standards

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