abcam

Product datasheet

Anti-BRD3 antibody [BLR069G] ab264420

Recombinant

2 References 6 Images

Overview

Product name	Anti-BRD3 antibody [BLR069G]
Description	Rabbit monoclonal [BLR069G] to BRD3
Host species	Rabbit
Tested applications	**Suitable for:** ICC, IP, WB, IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide within Human BRD3 aa 676-726. The exact sequence is proprietary. NP_031397.1. Database link: **Q15059**
Positive control	IHC-P: Human lung carcinoma and colon carcinoma tissues. ICC: OVCAR-3 cells. WB: HEK-293T, RKO, Jurkat, LNCaP, HeLa, MCF7, K562 and HepG2 whole cell lysates. IP: HEK-293T whole cell lysate.
General notes	This product is sold under License from Bethyl Laboratories, Inc.

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: 7.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, 99% Borate buffered saline
Purification notes	Purified from cell culture supernatant.
Clonality	Monoclonal
Clone number	BLR069G
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab264420 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		1/100 - 1/500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections.
IP		Use at an assay dependent concentration. Use 20 µl/mg lysate.
WB		1/1000. Predicted molecular weight: 80 kDa.
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

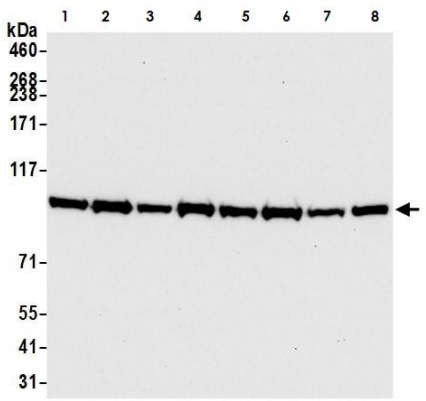
Tissue specificity Ubiquitous.

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 [BLR069G] (ab264420)

All lanes : Anti-BRD3 antibody [BLR069G] (ab264420) at 1/1000 dilution

Lane 1 : HEK-293T whole cell lysate
Lane 2 : RKO whole cell lysate
Lane 3 : Jurkat whole cell lysate
Lane 4 : LNcaP whole cell lysate
Lane 5 : HeLa whole cell lysate
Lane 6 : MCF7 whole cell lysate
Lane 7 : K562 whole cell lysate
Lane 8 : HepG2 whole cell lysate

Lysates/proteins at 50 µg per lane.

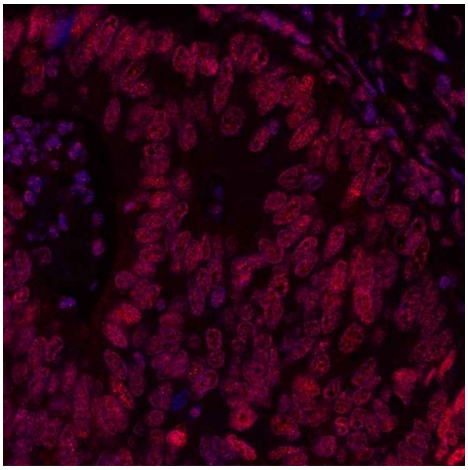
Secondary
All lanes : HRP-conjugated goat anti-rabbit IgG

Developed using the ECL technique.

Predicted band size: 80 kDa

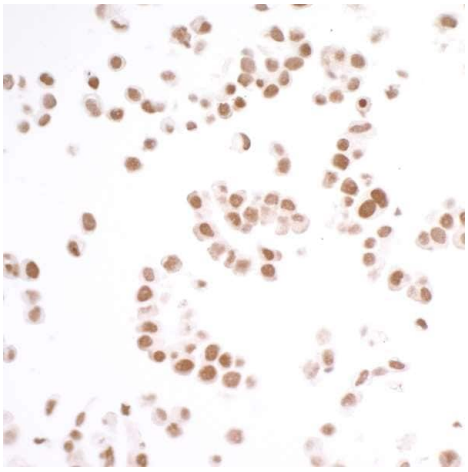
Exposure time: 10 seconds

Lysates prepared using NETN lysis buffer.



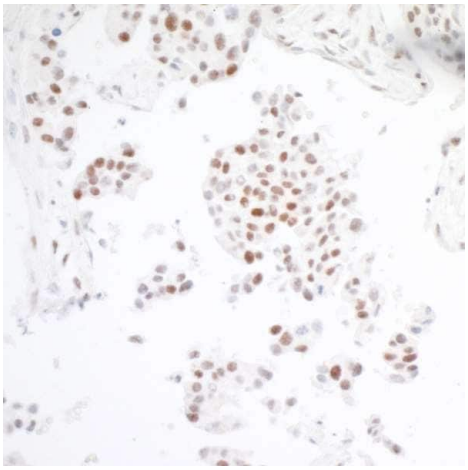
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRD3 antibody [BLR069G] (ab264420)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human colon carcinoma tissue labeling BRD3 with ab264420 at 1/200 dilution. Detection: DAB. Secondary: DyLight® 594-conjugated goat anti-rabbit IgG. Counterstain: DAPI (blue).



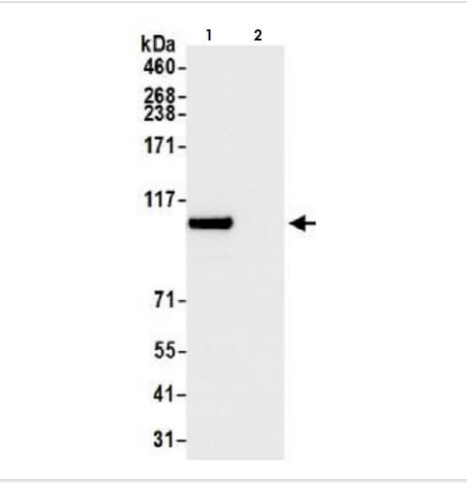
Immunocytochemistry - Anti-BRD3 antibody [BLR069G] (ab264420)

Immunocytochemical analysis of formalin-fixed, paraffin-embedded OVCAR-3 cells labeling BRD3 with ab264420 at 1/250 dilution. Secondary: HRP-conjugated goat anti-rabbit IgG. Substrate: DAB.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRD3 antibody [BLR069G] (ab264420)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human lung carcinoma tissue labeling BRD3 with ab264420 at 1/250 dilution. Secondary: HRP-conjugated goat anti-rabbit IgG. Substrate: DAB.



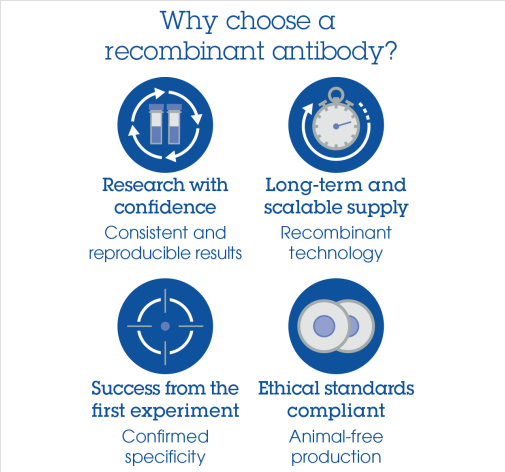
Immunoprecipitation - Anti-BRD3 antibody [BLR069G] (ab264420)

BRD3 was immunoprecipitated from HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) with ab264420 at 20 µl/mg lysate. Western blot was performed from the immunoprecipitates using ab264420 at 1/1000 dilution.

Lane 1: ab264420 IP in HEK-293T whole cell lysate.
Lane 2: Control IgG IP in HEK-293T whole cell lysate.

Detection: Chemiluminescence with an exposure time of 1 second.

Lysates prepared using NETN lysis buffer.



Anti-BRD3 antibody [BLR069G] (ab264420)

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