abcam

ab314048

Anti-BRD7 antibody [BLR221K] - BSA free

Recombinant

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.8 - 8.6 Preservative: 0.09% Sodium azide Constituents: 98% Borate buffered saline
Form	Liquid
Clonality	Monoclonal
Immunogen	Synthetic Peptide within Human BRD7 aa 600-700. The exact immunogen used to generate this antibody is proprietary information. Database link Q9NPI1
Clone number	BLR221K
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	-
Notes	-

ICC

Tested

Species	Human
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human
Dilution info	-
Notes	-

IP

Tested

Species	Human
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	-
Notes	-

Target data

See full target information BRD7

Function Acts both as coactivator and as corepressor. May play a role in chromatin remodeling. Activator of the Wnt signaling pathway in a DVL1-dependent manner by negatively regulating the GSK3B phosphotransferase activity. Induces dephosphorylation of GSK3B at 'Tyr-216'. Down-regulates TRIM24-mediated activation of transcriptional activation by AR (By similarity). Transcriptional

corepressor that down-regulates the expression of target genes. Binds to target promoters, leading to increased histone H3 acetylation at 'Lys-9' (H3K9ac). Binds to the ESR1 promoter. Recruits BRCA1 and POU2F1 to the ESR1 promoter. Coactivator for TP53-mediated activation of transcription of a set of target genes. Required for TP53-mediated cell-cycle arrest in response to oncogene activation. Promotes acetylation of TP53 at 'Lys-382', and thereby promotes efficient recruitment of TP53 to target promoters. Inhibits cell cycle progression from G1 to S phase.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	Up to 12 months
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C

Notes

REACH authorisation
Abcam has not and does not intend to apply for the REACH Authorisation of customers' uses of products that contain European Authorisation list (Annex XIV) substances.
It is the responsibility of our customers to check the necessity of application of REACH Authorisation, and any other relevant authorisations, for their intended uses.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

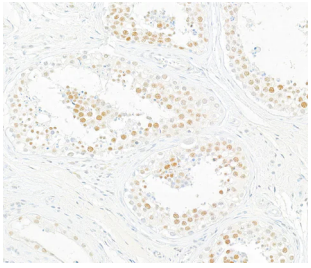
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

4 product images



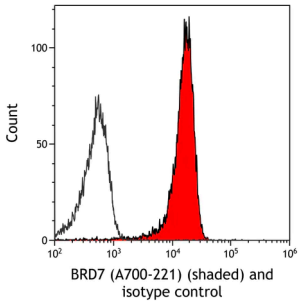
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRD7 antibody [BLR221K] - BSA free (ab314048)

Sample:FFPE section of human testis. Antibody:Rabbit anti-BRD7 recombinant monoclonal antibody [BLR221K] (A700-221-1). Secondary:HRP-conjugated goat antirabbit IgG (A120-501P).



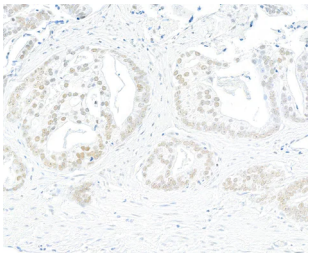
Immunocytochemistry - Anti-BRD7 antibody [BLR221K] - BSA free (ab314048)

Sample:FFPE section of RKO cells. Antibody:Rabbit antiBRD7 recombinant monoclonal antibody [BLR221K] Secondary:HRP-conjugated goat antirabbit IgG



Flow Cytometry - Anti-BRD7 antibody [BLR221K] - BSA free (ab314048)

Antibody:Rabbit anti-BRD7 recombinant monoclonal antibody [BLR221K] or isotype control (unshaded). Secondary:DyLight® 650-conjugated goat anti-rabbit IgG



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRD7 antibody [BLR221K] - BSA free (ab314048)

Sample:FFPE section of prostate carcinoma. Antibody: Rabbit anti-BRD7 recombinant monoclonal antibody [BLR221K]. Secondary:HRP-conjugated goat anti-rabbit IgG

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.