

Human anti-Human BRD4 Monoclonal Antibody | anti-BRD4 antibody

Anti-BRD4 [RAB-C131]

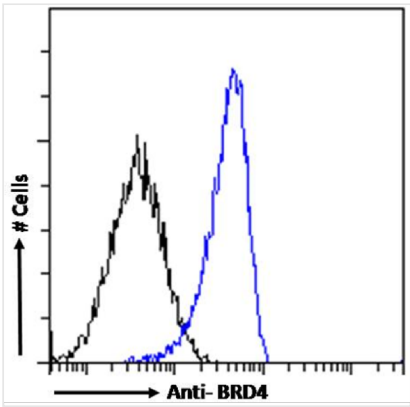
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72200	Human	Human	Chromatin Immunoprecipitation, Immunoprecipitation, Immunoprecipitation, Flow Cytometry, Functional Assay, Immunofluorescence, ELISA

PRODUCT SYNONYMS

BRD4; Monoclonal Antibody; Anti-BRD4 [RAB-C131]; HUNK1; Bromodomain-containing protein 4; anti-BRD4-RAB-C131; 41D2_31; anti-BRD4 antibody

PRODUCT SPECIFICATIONS

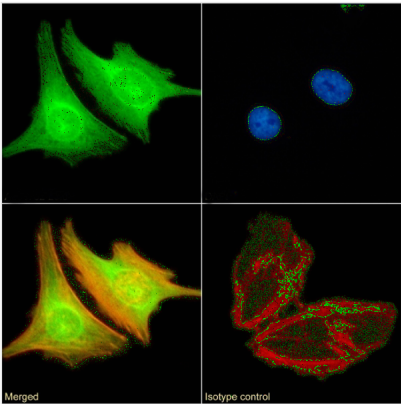
Host	Human
Reactivity	Human
Clonality	Monoclonal
Isotype	Human Fab fragment, kappa
Clone Number	RAB-C131
Specificity	This antibody recognizes BRD4 (Bromodomain-containing protein 4). It binds to a folded domain, amino acids 333-460. BRD4 is a chromatin reader protein that recognizes and binds acetylated histones and plays a key role in transmission of epigenetic memory.
Purity/Purification	Purified antibody. Purified by Immobilized Metal Affinity Chromatography
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-BRD4 antibody	ChIP (Chromatin immunoprecipitation), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ELISA
Heavy Chain Modification	His-Tagged
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



FCM/FACS (Flow Cytometry)
Flow cytometry using the anti-BRD4 antibody RAB-C131 (AAA72200). HepG2 cells were fixed using 2% PFA and stained with anti-unknown specificity antibody or the rabbit IgG1 version of RAB-C131 at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



WB (Western Blot)
Western Blot using anti-BRD4 antibody RAB-C131 (AAA72200) Nuclear lysate of K562 cells (35ug protein in RIPA buffer) was resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of RAB-C131 at 0.03ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.



IF (Immunofluorescence)
Immunofluorescence staining of fixed HeLa cells with anti-BRD4 antibody RAB-C131 (AAA72200) Immunofluorescence analysis of paraformaldehyde fixed HeLa cells on Shi-fix coverslips stained with the chimeric rabbit IgG version of RAB-C131 at 10ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue) and the actin stain is phalloidin (red). Panels show from left-right, top-bottom DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-BRD4 antibody	Recombinant monoclonal antibody to BRD4. Recombinant Platform with variable regions (i.e. specificity) from the phage display antibody RAB-C131. This antibody was obtained by recombinant antibody (rAb) phage display recognizing BRD4 protein under non-denaturing conditions.
Product Categories/Family for anti-BRD4 antibody	immunology; cancer; cell biology
References	N/A Note on publication: More information on this antibody can be found on the website of the Recombinant Antibody Network.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657218
NCBI GeneID	23476

NCBI Accession #	NP_055114.1
NCBI GenBank Nucleotide #	NM_014299.2
UniProt Accession #	O60885 ; O60433 ; Q4G0X8 ; Q86YS8 ; Q96PD3
Molecular Weight	152kDa
NCBI Official Full Name	bromodomain-containing protein 4 isoform short
NCBI Official Synonym Full Names	bromodomain containing 4
NCBI Official Symbol	BRD4
NCBI Official Synonym Symbols	CAP; MCAP; HUNK1; HUNKI
NCBI Protein Information	bromodomain-containing protein 4; bromodomain-containing 4; chromosome-associated protein
UniProt Protein Name	Bromodomain-containing protein 4
UniProt Gene Name	BRD4
UniProt Synonym Gene Names	HUNK1
UniProt Entry Name	BRD4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/brd4-antibody-clone-rab-c131-chromatin-immunoprecipitation-immunoprecipitation-flow-cytometry-immunofluorescence-elisa/72200>