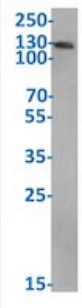
RecomAb™

BRD4 recombinant monoclonal antibody, clone RAB-C131

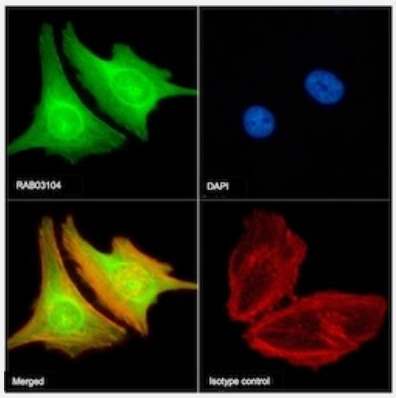
Catalog # RAB03104 Size 200 ug

Applications



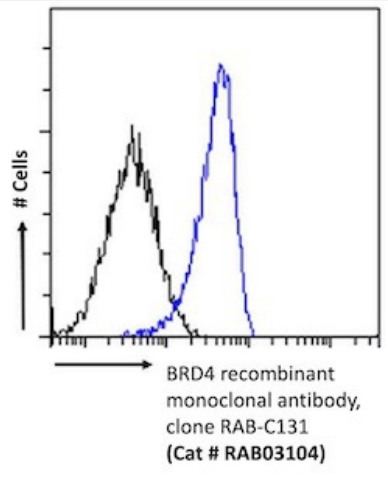
Western Blot

Western blot analysis of K562 cell lysate with BRD4 recombinant monoclonal antibody, clone RAB-C131 (Cat # RAB03104).



Immunofluorescence

Immunofluorescent staining of HeLa cells with BRD4 recombinant monoclonal antibody, clone RAB-C131 (Cat # RAB03104).
Immunofluorescence analysis of paraformaldehyde fixed HeLa cells on Shi-fix™ coverslips stained with the chimeric r version of RAB03104 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue) and the actin stain is phalloidin (red). Panels show from left-right- top-bottom RAB03104- DAPI- merged channels and an isotype control. The isotype control was an unknown specificity antibody (3.0) followed by staining with Alexa Fluor® 488 secondary antibody.



Flow Cytometry

Flow cytometric analysis of HepG2 cells with BRD4 recombinant monoclonal antibody, clone RAB-C131 (Cat # RAB03104).
HepG2 cells were fixed using 2% PFA and stained with anti-unknown specificity antibody (3.0; isotype control- black line) or the r1 version of RAB03104 (blue line) at a dilution of 1:100 for 1h at RT. After washing- the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human BRD4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant human BRD4 protein under non-denaturing conditions.
Reactivity	Human
Form	Liquid
Isotype	IgG kappa
Recommend Usage	ChIP ELISA Flow Cytometry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- ChIP

- Western Blot

  Western blot analysis of K562 cell lysate with BRD4 recombinant monoclonal antibody, clone RAB-C131 (Cat # RAB03104).

- Immunofluorescence

  Immunofluorescent staining of HeLa cells with BRD4 recombinant monoclonal antibody, clone RAB-C131 (Cat # RAB03104). Immunofluorescence analysis of paraformaldehyde fixed HeLa cells on Shi-fix™ coverslips stained with the chimeric r version of RAB03104 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue) and the actin stain is phalloidin (red). Panels show from left-right- top-bottom RAB03104- DAPI- merged channels and an isotype control. The isotype control was an unknown specificity antibody (3.0) followed by staining with Alexa Fluor® 488 secondary antibody.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

  Flow cytometric analysis of HepG2 cells with BRD4 recombinant monoclonal antibody, clone RAB-C131 (Cat # RAB03104). HepG2 cells were fixed using 2% PFA and stained with anti-unknown specificity antibody (3.0; isotype control- black line) or the r1 version of RAB03104 (blue line) at a dilution of 1:100 for 1h at RT. After washing- the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

Gene Info — BRD4

Entrez GeneID	23476
Gene Name	BRD4
Gene Alias	CAP, HUNK1, HUNKI, MCAP
Gene Description	bromodomain containing 4
Omim ID	608749
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is homologous to the murine protein MCAP, which associates with chromosomes during mitosis, and to the human RING3 protein, a serine/threonine kinase. Ea ch of these proteins contains two bromodomains, a conserved sequence motif which may be invol ved in chromatin targeting. This gene has been implicated as the chromosome 19 target of transl ocation t(15;19)(q13;p13.1), which defines an upper respiratory tract carcinoma in young people. Two alternatively spliced transcript variants have been described. [provided by RefSeq
Other Designations	bromodomain-containing 4|bromodomain-containing protein 4|chromosome-associated protein