

BRD4 recombinant antibody

Rabbit anti-BRD4 Recombinant Monoclonal Antibody [BL-151-6F11]

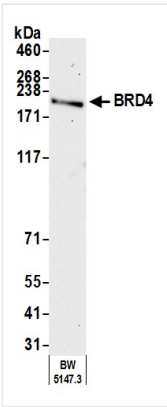
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23787	Rabbit	Human, Mouse	Western Blot, Immunoprecipitation, Immunohistochemistry, Immunohistochemistry, Immunocytochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

BRD4; Monoclonal Recombinant Antibody; Rabbit anti-BRD4 Recombinant Monoclonal Antibody [BL-151-6F11]; HUNK1; Protein HUNK1; HUNKI; chromosome-associated protein; CAP; bromodomain-containing protein 4; MCAP; Bromodomain-containing protein 4; bromodomain containing 4; BRD4 recombinant antibody

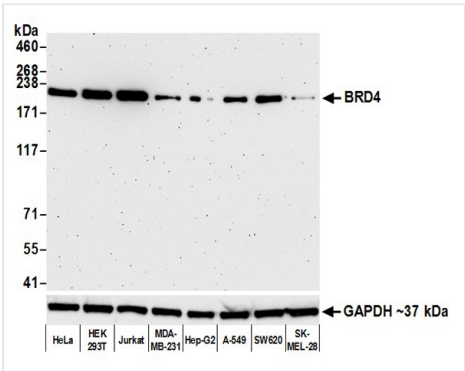
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	BL-151-6F11
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	100ug/ml (varies by lot)
Applicable Applications for BRD4 recombinant antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), IHC (Immunohistochemistry), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000 IP: 20 ul/mg lysate IHC: 1:25-1:250. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. IHC-IF: 1:25-1:250. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. ICC-IF: 1:25-1:250. Formaldehyde fixation is recommended. Permeabilization with Triton-X 100 is recommended for formaldehyde-fixed cells. FC/FACS: Fixed in 4% formaldehyde and permeabilized with 90% methanol. 1 ul per 1 x 10 ⁶ cells.
Immunogen	Between 1312 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



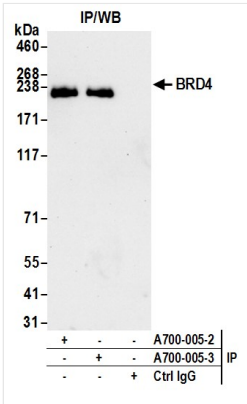
WB (Western Blot)

Detection of mouse BRD4 by western blot. Samples: Whole cell lysate (50 ug) from BW5147.3 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-BRD4 recombinant monoclonal antibody [BL-151-6F11] (AAA23787 lot 3) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 30 seconds.



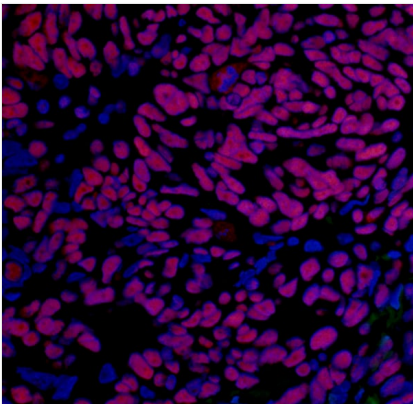
WB (Western Blot)

Detection of human BRD4 by western blot. Samples: Whole cell lysate (15 ug) from HeLa, HEK293T, Jurkat, MDA-MB-231, Hep-G2, A-549, SW620, and SK-MEL-28 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-BRD4 recombinant monoclonal antibody [BL-151-6F11] (AAA23787 lot 3) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 minutes. Lower Panel: Rabbit anti-GAPDH .



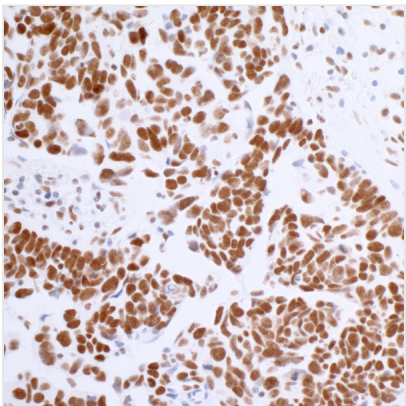
IP (Immunoprecipitation)

Detection of human BRD4 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-BRD4 recombinant monoclonal antibody [BL-151-6F11] (AAA23787 lot 3) used for IP at 20 ul/mg lysate. BRD4 was also immunoprecipitated by a previous lot of this antibody (lot AAA23787-2). For blotting immunoprecipitated BRD4, AAA23787 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 10 seconds.



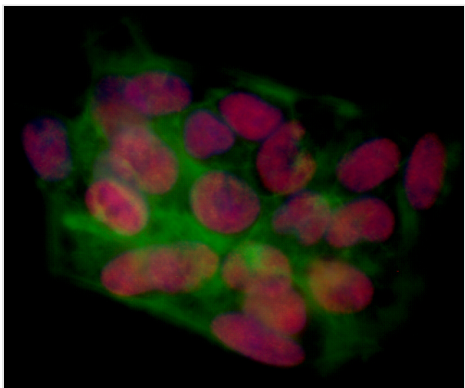
IHC (Immunohistochemistry)

Detection of human BRD4 by immunohistochemistry. Sample: FFPE section of ovarian carcinoma. Antibody: Rabbit anti-BRD4 recombinant monoclonal antibody [BL-151-6F11] (AAA23787 lot 1) used at 1:50. Secondary: DyLight 594-conjugated goat anti-rabbit IgG antibody .



IHC (Immunohistochemistry)

Detection of human BRD4 in FFPE ovarian carcinoma by IHC. Antibody: Rabbit anti-BRD4 recombinant monoclonal [BL-151-6F11] (AAA23787 lot 3). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



ICC (Immunocytochemistry)

Detection of human BRD4 by immunocytochemistry. Sample: formaldehyde-fixed Hep-G2 cells. Antibody: Rabbit anti-BRD4 recombinant monoclonal antibody [BL-151-6F11] (AAA23787 lot 1) used at 1:50. Secondary: DyLight 594-conjugated goat anti-rabbit IgG antibody .

ADDITIONAL INFORMATION

Related Product Information for BRD4 recombinant antibody	Bromodomain-containing protein 4 (BRD4) contains 2 bromo-domains. Bromo-domains are found in chromatin-associating proteins and can interact specifically with acetylated lysine. BRD4 is described as a chromatin adaptor and has been shown to bind acetylated chromatin. It was originally identified as MCAP (mitotic chromosome associated protein) due to its association with mitotic chromosomes. BRD4 also associates with several transcription complexes such as the Mediator complexes and P-TEFb complexes and is considered to function as a transcriptional co-factor.
Product Categories/Family for BRD4 recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	19718731
NCBI GeneID	23476
NCBI Accession #	NP_490597.1; NP_055114.1; NP_065254.3
NCBI GenBank Nucleotide #	NM_058243.2
UniProt Accession #	O60885; O60433; Q4G0X8; Q86YS8; Q96PD3
Molecular Weight	155.8kDa
NCBI Official Full Name	bromodomain-containing protein 4 isoform long
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
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-recombinant-antibody-clone-bl-151-6f11-western-blot-immunoprecipitation-immunohistochemistry-immunohistochemistry-immunocytochemistry-flow-cytometry-elisa/23787>