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**Product Name: BRD4 Rabbit Monoclonal Antibody****Catalog #: AMRe03895**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification</b>	Affinity Chromatography

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:50-1:100
<b>Molecular Weight</b>	Calculated MW: 152 kDa; Observed MW: 152 kDa

**Antigen Information**

<b>Gene Name</b>	BRD4
<b>Alternative Names</b>	Brd4; CAP; HUNK1; MCAP; Bromodomain containing 4; chromosome associated protein
<b>Gene ID</b>	23476
<b>SwissProt ID</b>	O60885
<b>Immunogen</b>	A synthetic peptide of human Brd4

**Background**

Bromodomain-containing protein 4 (BRD4) is a member of the bromodomains and extra terminal (BET) family of proteins, which also includes BRD2, BRD3, and BRDT. BET family proteins contain two tandem bromodomains and an extra terminal (ET)

domain, and bind acetyl lysine residues. BRD4 is a chromatin-binding protein with a preference for Lys14 on histone H3 as well as Lys5 and Lys12 on histone H4. BRD4 chromatin binding occurs throughout the cell cycle, including condensed mitotic chromosomes, when the majority of genes are silenced.

## Research Area

Epigenetics and Nuclear Signaling

## Image Data

Western blot analysis of BRD4 in HeLa lysates using BRD4 antibody.

