

# BRD1 Rabbit pAb

BRD1 Rabbit pAb  
Catalog # AP59001

## Product Information

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|--------------------------------|---|
| <b>Application</b>             | WB, IHC-P, IHC-F, IF  |
| <b>Primary Accession</b>       | <a href="#">O95696</a>  |
| <b>Reactivity</b>              | Mouse, Rat  |
| <b>Predicted</b>               | Human, Chicken, Dog, Horse, Rabbit  |
| <b>Host</b>                    | Rabbit  |
| <b>Clonality</b>               | Polyclonal  |
| <b>Calculated MW</b>           | 119520  |
| <b>Physical State</b>          | Liquid  |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human BRD1  |
| <b>Epitope Specificity</b>     | 701-800/1058  |
| <b>Isotype</b>                 | IgG   |
| <b>Purity</b>                  | affinity purified by Protein A  |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.   |
| <b>SUBCELLULAR LOCATION</b>    | Nucleus.  |
| <b>SIMILARITY</b>              | Contains 1 bromo domain. Contains 1 PHD-type zinc finger. Contains 1 PWWP domain.   |
| <b>SUBUNIT</b>                 | Component of the MOZ/MORF complex composed at least of ING5, KAT6A, KAT6B, MEAF6 and one of BRPF1, BRD1/BRPF2 and BRPF3.  |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| <b>Background Descriptions</b> | Component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity.                                      |

## Additional Information

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|---------------------------|---|
| <b>Gene ID</b>            | 23774   |
| <b>Other Names</b>        | Bromodomain-containing protein 1, BR140-like protein, Bromodomain and PHD finger-containing protein 2, BRD1 {ECO:0000303 PubMed:16387653, ECO:0000312 HGNC:HGNC:1102}                           |
| <b>Target/Specificity</b> | Highly expressed in testis.   |
| <b>Dilution</b>           | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500  |
| <b>Storage</b>            | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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|--------------------------|--|
| <b>Name</b>              | BRD1 {ECO:0000303   PubMed:16387653, ECO:0000312   HGNC:HGNC:1102}   |
| <b>Function</b>          | Scaffold subunit of various histone acetyltransferase (HAT) complexes, such as the MOZ/MORF and HBO1 complexes, that acts as a regulator of hematopoiesis (PubMed: <a href="#">16387653</a> , PubMed: <a href="#">21753189</a> , PubMed: <a href="#">21880731</a> ). Plays a key role in HBO1 complex by directing KAT7/HBO1 specificity towards histone H3 'Lys-14' acetylation (H3K14ac), thereby promoting erythroid differentiation (PubMed: <a href="#">21753189</a> ). |
| <b>Cellular Location</b> | Nucleus. Chromosome Note=Localizes to transcription start sites  |
| <b>Tissue Location</b>   | Highly expressed in testis.  |

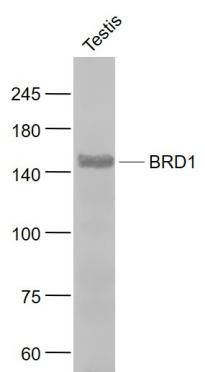
## Background

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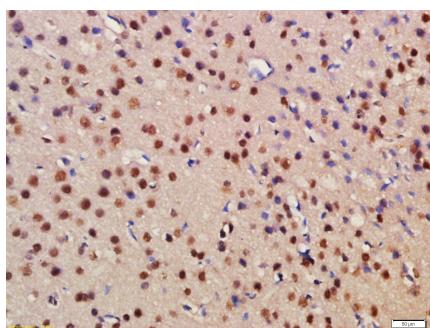
Component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity.

## Images

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**Sample:**  
Testis (Mouse) Lysate at 40 ug  
Primary: Anti- BRD1 (AP59001) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size:119 kD  
Observed band size: 150 kD



**Tissue/cell:** rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
**Antigen retrieval:** citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
**Incubation:** Anti-BRD1 Polyclonal Antibody, Unconjugated(AP59001) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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