

BRD1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59001**Specification****BRD1 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	O95696
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	119 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BRD1
Epitope Specificity	701-800/1058
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
SIMILARITY	Contains 1 bromo domain.Contains 1 PHD-type zinc finger.Contains 1 PWWP domain.
SUBUNIT	Component of the MOZ/MORF complex composed at least of ING5, KAT6A, KAT6B, MEAF6 and one of BRPF1, BRD1/BRPF2 and BRPF3.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

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

BRD1 Polyclonal Antibody - Additional Information

Gene ID 23774

Other Names

Bromodomain-containing protein 1, BR140-like protein, Bromodomain and PHD finger-containing protein 2, BRD1 {ECO:0000303|PubMed:16387653, ECO:0000312|HGNC:HGNC:1102}

Target/Specificity

Highly expressed in testis.

Dilution

WB~1:1000<br \><span class

=>"dilution_IHC-P">IHC-P~N/A<br \><span class
=>"dilution_IHC-F">IHC-F~N/A<br \><span class
=>"dilution_IF">IF~1:50~200<br \>"dilution_E">E~N/A

Storage

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.

BRD1 Polyclonal Antibody - Protein Information

Name BRD1 {ECO:0000303|PubMed:16387653, ECO:0000312|HGNC:HGNC:1102}

Function

Scaffold subunit of various histone acetyltransferase (HAT) complexes, such as the MOZ/MORF and HBO1 complexes, that acts as a regulator of hematopoiesis (PubMed:16387653, PubMed:21753189, PubMed:21880731). Plays a key role in HBO1 complex by directing KAT7/HBO1 specificity towards histone H3 'Lys-14' acetylation (H3K14ac), thereby promoting erythroid differentiation (PubMed:21753189).

Cellular Location

Nucleus. Chromosome Note=Localizes to transcription start sites

Tissue Location

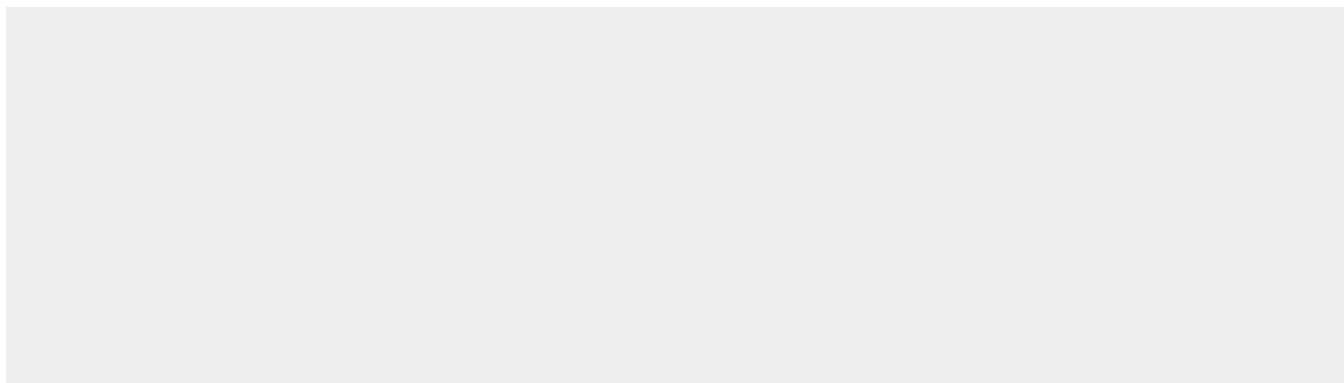
Highly expressed in testis.

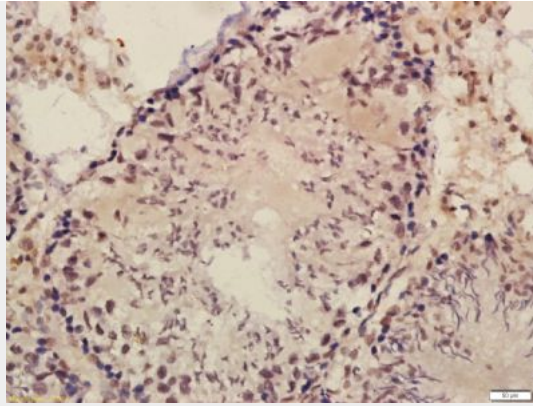
BRD1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BRD1 Polyclonal Antibody - Images

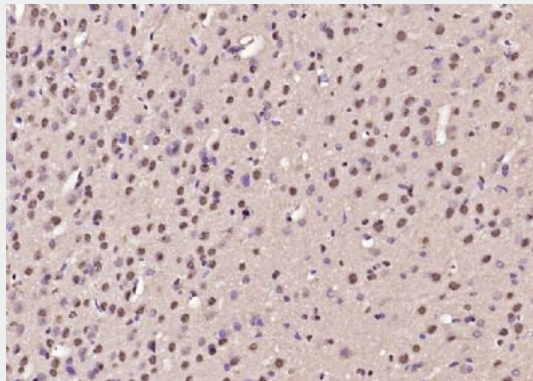




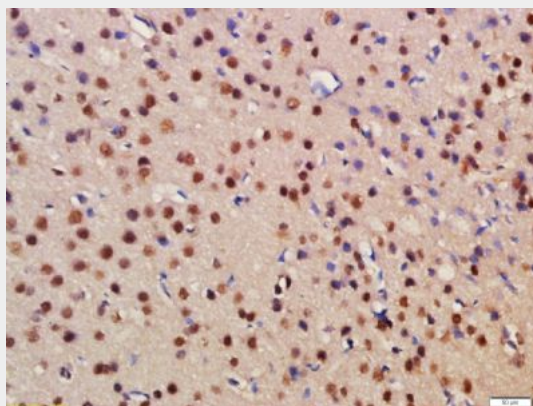
Tissue/cell: Rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

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(bs-8426R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



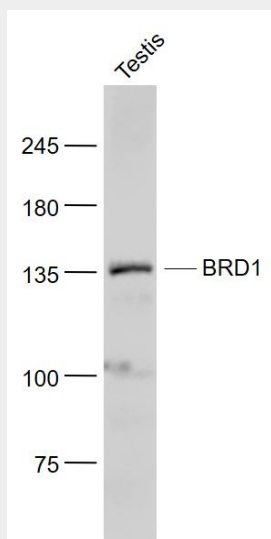
Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (BRD1) Polyclonal Antibody, Unconjugated (bs-8426R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



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(bs-8426R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Sample:

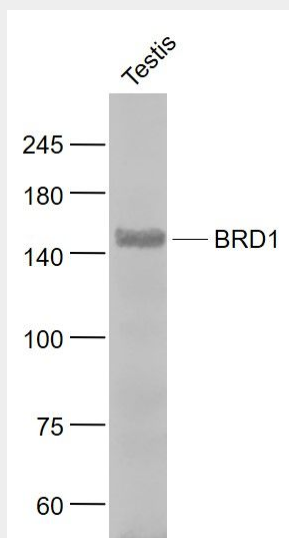
Testis (Mouse) Lysate at 40 ug

Primary: Anti- BRD1 (bs-8426R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 119 kD

Observed band size: 140 kD



Sample:

Testis (Mouse) Lysate at 40 ug

Primary: Anti- BRD1 (bs-8426R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 119 kD

Observed band size: 150 kD