

BRD1 Rabbit pAb

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Catalog # AP59001

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O95696
Reactivity	Mouse, Rat
Predicted	Human, Chicken, Dog, Horse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	119520
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.

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=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

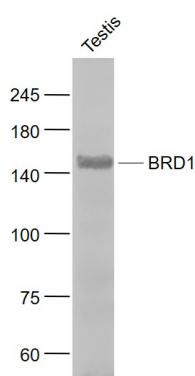
Protein Information

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.

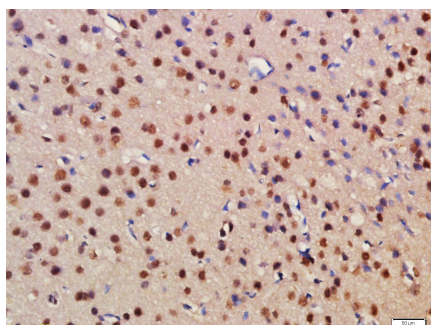
Background

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

Images



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'.