

BRD1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14018a**Specification**

BRD1 Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O95696
Other Accession	NP_055392.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	119520
Antigen Region	73-102

BRD1 Antibody (N-term) - Additional Information**Gene ID** 23774**Other Names**

Bromodomain-containing protein 1, BR140-like protein, Bromodomain and PHD finger-containing protein 2, BRD1, BRL, BRPF2

Target/Specificity

This BRD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 73-102 amino acids from the N-terminal region of human BRD1.

Dilution

WB~~1:1000

IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

BRD1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

BRD1 Antibody (N-term) - 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

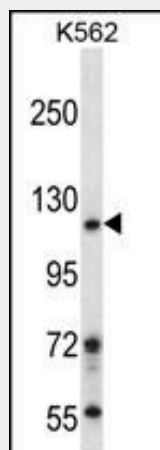
Highly expressed in testis.

BRD1 Antibody (N-term) - Protocols

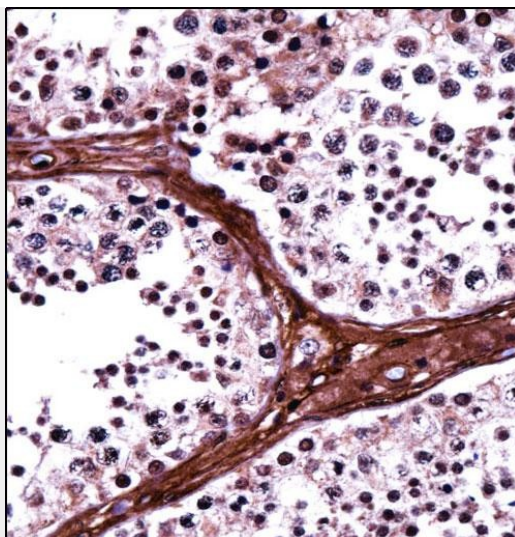
Provided below are standard protocols that you may find useful for product applications.

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

BRD1 Antibody (N-term) - Images



BRD1 Antibody (N-term) (Cat. #AP14018a) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the BRD1 antibody detected the BRD1 protein (arrow).



BRD1 Antibody (N-term) (AP14018a) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of BRD1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

BRD1 Antibody (N-term) - Background

This gene encodes a protein of unknown function. The protein contains a bromodomain, a sequence motif often found in transcriptional coactivators, and localizes to the nucleus in testis and several other cell types.

BRD1 Antibody (N-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Kushima, I., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (3), 786-791 (2010) :
Nyegaard, M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (2), 582-591 (2010) :
Bjarkam, C.R., et al. Brain Struct Funct 214(1):37-47(2009)
Olsen, J.V., et al. Cell 127(3):635-648(2006)