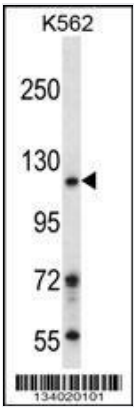
BRD1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BRD1, Polyclonal Antibody
Full Product Name	BRD1, NT (BRD1, BRL, BRPF2, Bromodomain-containing protein 1, BR140-like protein, Bromodomain and PHD finger-containing protein 2) (APC)
Product Gene Name	anti-BRD1 antibody
Product Synonym Names	BRD1; BRL; BRPF2; Bromodomain-containing protein 1; BR140-like protein; Bromodomain and PHD finger-containing protein 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	133,243 Da
OMIM	604589
3D Structure	ModBase 3D Structure for O95696
Immunogen	BRD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 72-102 amino acids from the N-terminal region of human BRD1.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-BRD1 antibody	Antibodies; Transcription Factors; Zinc (Ring) Finger
Applications Tested/Suitable for anti-BRD1 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-BRD1 antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-BRD1 antibody	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.
Product References and Citations for anti-BRD1 antibody	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).

Other Notes	Small volumes of anti-BRD1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BRD1 purchase	MBS6278814 is an antibody targeting BRD1. Also known as BRD1, NT (BRD1, BRL, BRPF2, Bromodomain-containing protein 1, BR140-like protein, Bromodomain and PHD finger-containing protein 2) (APC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-BRD1 antibody
BRD1 Antibody (N-term) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the BRD1 antibody detected the BRD1 protein (arrow).



Immunohistochemistry (IHC) of anti-BRD1 antibody
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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BRD1. It may not necessarily be applicable to this product.

NCBI GI #	11321641
NCBI GeneID	23774
NCBI Accession #	NP_055392.1
UniProt Primary Accession #	O95696
UniProt Secondary Accession #	A6ZJA4
UniProt Related Accession #	O95696
GenBank Nucleotide #	NM_014577
NCBI Official Synonym Full Names	bromodomain containing 1
NCBI Official Symbol	BRD1
NCBI Official Synonym Symbols	BRL; BRPF1; BRPF2
UniProt Protein Name	Bromodomain-containing protein 1
UniProt Synonym Protein Names	BR140-like protein; Bromodomain and PHD finger-containing protein 2
Protein Family	Chromatin structure-remodeling complex
UniProt Gene Name	BRD1
UniProt Synonym Gene Names	BRL; BRPF2
UniProt Entry Name	BRD1_HUMAN
NCBI Protein Information	bromodomain-containing protein 1

NCBI Summary for BRD1	This gene encodes a bromodomain-containing protein that localizes to the nucleus and can interact with DNA and histone tails. The encoded protein is a component of the MOZ/MORF acetyltransferase complex and can stimulate acetylation of histones H3 and H4, thereby potentially playing a role in gene activation. Variation in this gene is associated with schizophrenia and bipolar disorder in some study populations. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2017]
UniProt Comments for BRD1	BRD1: a nuclear protein containing a bromo-domain, a PHD domain, and a PWWP domain. Encoded by a susceptibility gene for schizophrenia and bipolar affective disorder. May play a role in neurodevelopment. Protein type: Cell development/differentiation Chromosomal Location of Human Ortholog: 22q13.33 Cellular Component: nucleoplasm; nucleus Molecular Function: histone binding
Research Articles on BRD1	**1.** our data point to a cell type- and a stimulus-specific function of BRD1. Inhibiting BRD1 could have potential beneficial effects in rheumatoid arthritis via decreasing the proliferation of synovial fibroblasts. Anti-inflammatory effects were limited and only observed in monocyte-derived macrophages
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