BRD2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BRD2, Polyclonal Antibody
Full Product Name	BRD2 Polyclonal Antibody
Product Gene Name	anti-BRD2 antibody
Product Synonym Names	Bromodomain-containing protein 2; O27.1.1; Really interesting new gene 3 protein; BRD2; KIAA9001; RING3
Clonality	Polyclonal
Host	Rabbit
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	88
OMIM	601540
3D Structure	ModBase 3D Structure for P25440
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-BRD2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-BRD2 antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-BRD2 antibody	MBS8532186 is an antibody targeting BRD2. Also known as BRD2 Polyclonal Antibody. Host: Rabbit.
Other Notes	Small volumes of anti-BRD2 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BRD2. It may not necessarily be applicable to this product.

NCBI GI #	164419758
NCBI GeneID	6046
NCBI Accession #	NP_001106653.1
UniProt Primary Accession #	P25440
UniProt Secondary Accession #	O00699; O00700; Q15310; Q5STC9; Q63HQ9; Q658Y7; Q6P3U2; Q969U4; A2AAU0; B0S7P0; B1AZT1
UniProt Related Accession #	P25440
GenBank Nucleotide #	NM_001113182.2
NCBI Official Full Name	bromodomain-containing protein 2 isoform 1
NCBI Official Synonym Full Names	bromodomain containing 2

NCBI Official Symbol	BRD2
NCBI Official Synonym Symbols	FSH; NAT; RNF3; FSRG1; RING3; D6S113E; O27.1.1; BRD2-IT1
UniProt Protein Name	Bromodomain-containing protein 2
UniProt Synonym Protein Names	O27.1.1; Really interesting new gene 3 protein
Protein Family	Bromodomain-containing protein
UniProt Gene Name	BRD2
UniProt Synonym Gene Names	KIAA9001; RING3
NCBI Protein Information	bromodomain-containing protein 2
NCBI Summary for BRD2	This gene encodes a transcriptional regulator that belongs to the BET (bromodomains and extra terminal domain) family of proteins. This protein associates with transcription complexes and with acetylated chromatin during mitosis, and it selectively binds to the acetylated lysine-12 residue of histone H4 via its two bromodomains. The gene maps to the major histocompatability complex (MHC) class II region on chromosome 6p21.3, but sequence comparison suggests that the protein is not involved in the immune response. This gene has been implicated in juvenile myoclonic epilepsy, a common form of epilepsy that becomes apparent in adolescence. Multiple alternatively spliced variants have been described for this gene. [provided by RefSeq, Dec 2010]
UniProt Comments for BRD2	May play a role in spermatogenesis or folliculogenesis (). Binds hyperacetylated chromatin and plays a role in the regulation of transcription, probably by chromatin remodeling. Regulates transcription of the CCND1 gene. Plays a role in nucleosome assembly.
Research Articles on BRD2	**1.** In pluripotent cells, Brd2-Brd4 occupy Nodal gene regulatory elements (NREs), but only Brd4 is required for pluripotency gene expression. Brd4 downregulation facilitates pluripotent exit and drives enhanced Brd2 NRE occupancy, thereby unveiling a specific function for Brd2 in differentiative Nodal-Smad2 signalling
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