BRD2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	BRD2, Monoclonal Antibody
Full Product Name	Mouse Monoclonal Antibody to BRD2
Product Gene Name	anti-BRD2 antibody
Product Synonym Names	FSH; NAT; RNF3; FSRG1; RING3; D6S113E; O27.1.1
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1H6B12
Host	Mouse
Molecular Weight	88kDa
OMIM	601540
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-BRD2 antibody	Western Blot (WB)
Application Notes for anti-BRD2 antibody	Western blot using Recombinant protein Western blot using Transfection expressed protein
Related Product Information for anti-BRD2 antibody	MBS8528633 is an antibody targeting BRD2. Also known as Mouse Monoclonal Antibody to BRD2. Host: Mouse.
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 #	148362162
NCBI GeneID	6046
NCBI Accession #	ABQ59684.1
UniProt Secondary Accession #	O00699; O00700; Q15310; Q5STC9; Q63HQ9; Q658Y7; Q6P3U2; Q969U4; A2AAU0; B0S7P0; B1AZT1
UniProt Related Accession #	P25440
NCBI Official Full Name	BRD2
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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