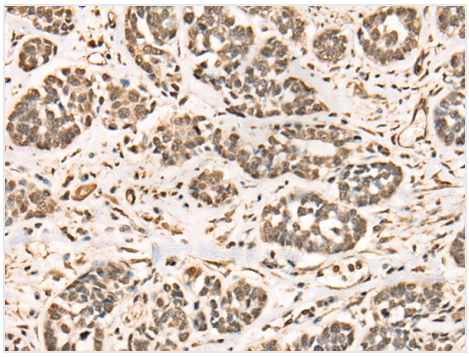
BRD7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BRD7, Polyclonal Antibody
Full Product Name	BRD7 Polyclonal Antibody
Product Gene Name	anti-BRD7 antibody
Product Synonym Names	75 kDa bromodomain protein; BP75; BRD 7; BRD7; BRD7; Bromodomain containing 7; Bromodomain containing protein 7; Bromodomain-containing protein 7; CELTIX 1; CELTIX1; NAG4; Protein CELTIX-1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.05% NaN3 and 40% Glycerol, pH7.4
Purity/Purification	Antigen Affinity Purification
Concentration	0.6mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
3D Structure	ModBase 3D Structure for Q9NPI1
Immunogen	Fusion protein of human BRD7
Conjugation	Unconjugated
Product Categories/Family for anti-BRD7 antibody	Cell Biology; Epigenetics and Nuclear Signaling
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-BRD7 antibody	Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-BRD7 antibody	IHC: 1:40-1:200 ELISA: 1:5000-1:10000
Related Product Information for anti-BRD7 antibody	This gene encodes a protein which is a member of the bromodomain-containing protein family. The product of this gene has been identified as a component of one form of the SWI/SNF chromatin remodeling complex, and as a protein which interacts with p53 and is required for p53-dependent oncogene-induced senescence which prevents tumor growth. Pseudogenes have been described on chromosomes 2, 3, 6, 13 and 14. Alternative splicing results in multiple transcript variants.
Other Notes	Small volumes of anti-BRD7 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 BRD7 purchase	MBS2562379 is an antibody targeting BRD7. Also known as BRD7 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Immunohistochemistry (IHC) of anti-BRD7 antibody
Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using BRD7 Polyclonal Antibody at dilution of 1:50(×200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BRD7. It may not necessarily be applicable to this product.

NCBI GI #	74734307
NCBI GeneID	29117
NCBI Accession #	Q9NPI1.1
NCBI Related Accession #	BC050728
UniProt Primary Accession #	Q9NPI1
UniProt Related Accession #	Q9NPI1
NCBI Official Full Name	Bromodomain-containing protein 7
NCBI Official Synonym Full Names	bromodomain containing 7
NCBI Official Symbol	BRD7
NCBI Official Synonym Symbols	BP75; NAG4; CELTIX1
UniProt Protein Name	Bromodomain-containing protein 7
UniProt Synonym Protein Names	75 kDa bromodomain protein; Protein CELTIX-1
Protein Family	Bromodomain-containing protein
UniProt Gene Name	BRD7
UniProt Synonym Gene Names	BP75; CELTIX1
UniProt Entry Name	BRD7_HUMAN
NCBI Protein Information	bromodomain-containing protein 7
NCBI Summary for BRD7	This gene encodes a protein which is a member of the bromodomain-containing protein family. The product of this gene has been identified as a component of one form of the SWI/SNF chromatin remodeling complex, and as a protein which interacts with p53 and is required for p53-dependent oncogene-induced senescence which prevents tumor growth. Pseudogenes have been described on chromosomes 2, 3, 6, 13 and 14. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2010]

UniProt Comments for BRD7	BRD7: a bromodomain protein that binds dishevelled-1 (DVL1) and enhances Wnt signaling by inhibiting GSK3B. Interacts with DVL1, PTPN13, IRF2 and HNRPUL1. Associates with histones and E1B-AP5. Binds acetylated histone peptides, most notably H3 peptide acetylated at Lys14. Associates with histones and E1B-AP5. Its bromodomain is found in many chromatin-associated proteins and most known histone acetyltransferases. Inhibits G1-S progression by transcriptional regulation of molecules in the ras and Rb pathways. Plays an important role in transcriptional activation and chromatin remodeling. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription regulation; Tumor suppressor; Cell cycle regulation; Histone-binding Chromosomal Location of Human Ortholog: 16q12 Cellular Component: cytoplasm; nucleus Molecular Function: protein binding; histone binding; p53 binding; transcription coactivator activity; transcription factor binding; transcription corepressor activity Biological Process: regulation of transcription from RNA polymerase II promoter; negative regulation of cell proliferation; Wnt receptor signaling pathway; transcription, DNA-dependent; positive regulation of transcription, DNA-dependent; positive regulation of histone acetylation; negative regulation of transcription, DNA-dependent; cell cycle
Research Articles on BRD7	**1.** c-Myc transactivates miR-141 expression and that BRD7, a direct target of c-Myc, serves as a cofactor of c-Myc and forms a negative feedback loop with c-Myc in miR-141 transcription in NPC.
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