

BRD7 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13451a**Specification**

BRD7 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q9NPI1](#)**BRD7 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 29117**Other Names**

Bromodomain-containing protein 7, 75 kDa bromodomain protein, Protein CELTIX-1, BRD7, BP75, CELTIX1

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13451a was selected from the N-term region of BRD7. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

BRD7 Antibody (N-term) Blocking peptide - Protein Information**Name** BRD7**Synonyms** BP75, CELTIX1**Function**

Acts both as coactivator and as corepressor. May play a role in chromatin remodeling. Activator of the Wnt signaling pathway in a DVL1-dependent manner by negatively regulating the GSK3B phosphotransferase activity. Induces dephosphorylation of GSK3B at 'Tyr-216'. Down-regulates TRIM24-mediated activation of transcriptional activation by AR (By similarity). Transcriptional corepressor that down-regulates the expression of target genes. Binds to target promoters, leading to increased histone H3 acetylation at 'Lys-9' (H3K9ac). Binds to the ESR1 promoter. Recruits BRCA1 and POU2F1 to the ESR1 promoter. Coactivator for TP53-mediated activation of transcription of a set of target genes. Required for TP53-mediated cell-cycle arrest in response to oncogene activation. Promotes acetylation of TP53 at 'Lys-382', and thereby promotes efficient recruitment of TP53 to target promoters. Inhibits cell cycle progression from G1 to S phase.

Cellular Location

Nucleus. Chromosome

BRD7 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

BRD7 Antibody (N-term) Blocking peptide - Images**BRD7 Antibody (N-term) Blocking peptide - Background**

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.

BRD7 Antibody (N-term) Blocking peptide - References

Burrows, A.E., et al. Proc. Natl. Acad. Sci. U.S.A. 107(32):14280-14285(2010) Drost, J., et al. Nat. Cell Biol. 12(4):380-389(2010) Kikuchi, M., et al. Biochim. Biophys. Acta 1793(12):1828-1836(2009) Kaeser, M.D., et al. J. Biol. Chem. 283(47):32254-32263(2008) Liu, H., et al. BMC Mol. Biol. 9, 111 (2008) :