

# Product Datasheet

## BRD4 Antibody - BSA Free

### NBP1-18874

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NBP1-18874**

BRD4 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

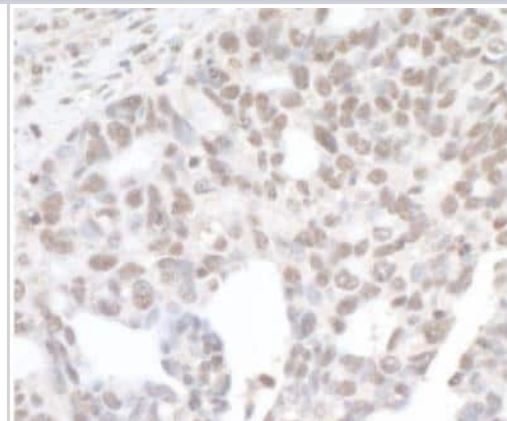
Product Description	
Host	Rabbit
Gene ID	23476
Gene Symbol	BRD4
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residue 1312 and 1362 of human bromodomain-containing protein 4 using the numbering given in entry NP_490597.1 (GenelD 23476).

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:1000-1:5000, Immunoprecipitation 2-10 ug/mg lysate, Immunohistochemistry-Paraffin 1:1000-1:5000
Application Notes	Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

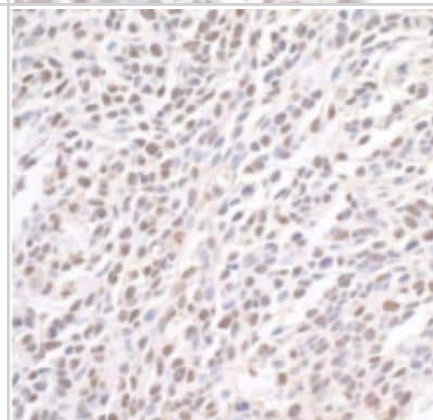


## Images

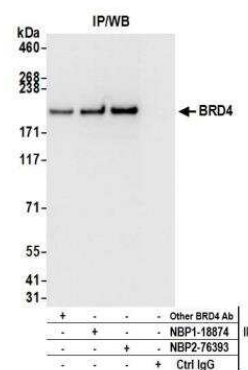
Immunohistochemistry-Paraffin: BRD4 Antibody [NBP1-18874] - FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-BRD4 used at a dilution of 1:5,000 (0.2 ug/ml). Detection: DAB



Immunohistochemistry-Paraffin: BRD4 Antibody [NBP1-18874] - FFPE section of mouse CT26 colon carcinoma. Antibody: Affinity purified rabbit anti-BRD4 used at a dilution of 1:1,000 (1 ug/ml). Detection: DAB



Immunoprecipitation: BRD4 Antibody [NBP1-18874] - Detection of human BRD4 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-BRD4 antibody NBP1-18874 used for IP at 3 ug per reaction. BRD4 was also immunoprecipitated by a different rabbit anti-BRD4 antibody and rabbit anti-BRD4 recombinant monoclonal antibody [BL-149-2H5] (NBP2-76393). For blotting immunoprecipitated BRD4, NBP2-76393 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 1 seconds.



## Publications

Mertz JA, Conery AR, Bryant BM et al. Targeting MYC dependence in cancer by inhibiting BET bromodomains. Proc Natl Acad Sci U S A 2011-10-01 [PMID: 21949397]

Rahman S, Sowa ME, Ottinger M et al. The Brd4 extraterminal domain confers transcription activation independent of pTEFb by recruiting multiple proteins, including NSD3. Mol.Cell.Biol. 31 (13):2641-2652. 2011-01-01 [PMID: 21555454]

Powell ML, Smith JA, Sowa ME et al. NCoR1 mediates papillomavirus E8;E2C transcriptional repression. J Virol 2010 -05-01 [PMID: 20181716]



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### **Products Related to NBP1-18874**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-38931PEP	BRD4 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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