

Product Datasheet

BRD4 Antibody - BSA Free

NBP1-86640

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 2/21/2025 v.20.1

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NBP1-86640

BRD4 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

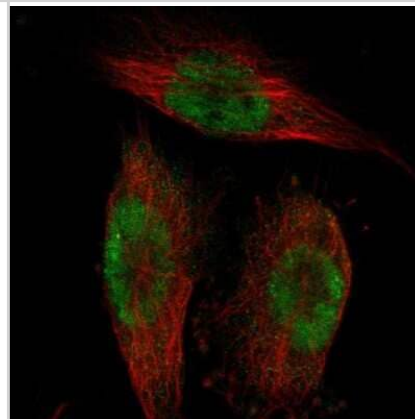
Product Description	
Host	Rabbit
Gene ID	23476
Gene Symbol	BRD4
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: PQPAKPQQVIQHHHSPRHHKSDPYSTGHLREAPSPLMIHSPQMSQFQSLTHQ SPPQQNVQPKKQELRAASVVQPQLVVVKEEKIHSPPIRSEPFSPSLRPEPPKH PESIKAPVHLPQRPEMKPVDVGRPVIRPPEQNAPP

Product Application Details	
Applications	Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Simple Western 1:60, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000, Chromatin Immunoprecipitation (ChIP) Reported in scientific literature (PMID:25616107).
Application Notes	ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. IHC-Paraffin HIER pH6 retrieval is recommended. Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in U-251MG sp, separated by Size, antibody dilution of 1:60, apparent MW was 274 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

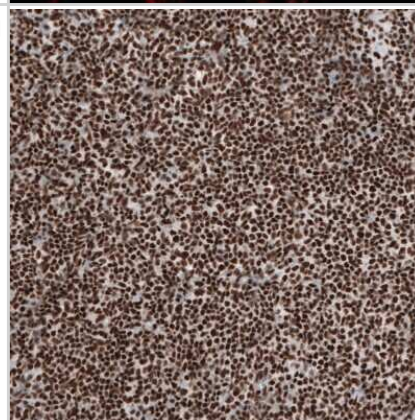


Images

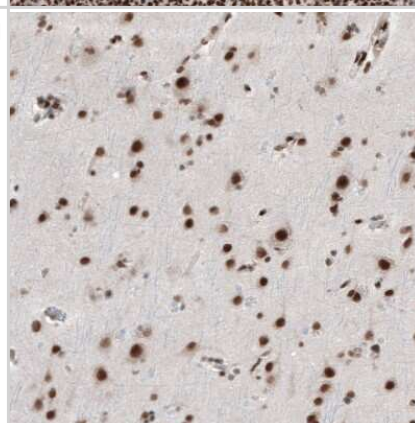
Immunocytochemistry/Immunofluorescence: BRD4 Antibody [NBP1-86640] - Staining of human cell line U-251 MG shows localization to nucleoplasm. Antibody staining is shown in green.



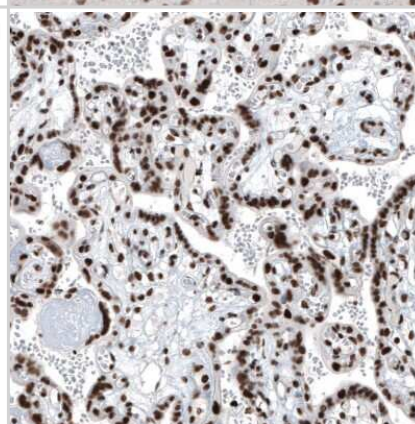
Immunohistochemistry-Paraffin: BRD4 Antibody [NBP1-86640] - Staining of human tonsil shows moderate to strong nuclear positivity in non-germinal center cells.



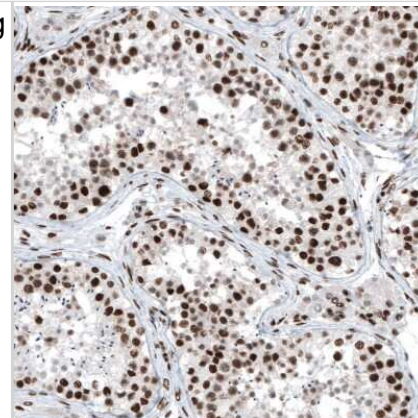
Immunohistochemistry-Paraffin: BRD4 Antibody [NBP1-86640] - Staining of human cerebral cortex shows moderate to strong nuclear positivity in neurons.



Immunohistochemistry-Paraffin: BRD4 Antibody [NBP1-86640] - Staining of human placenta shows moderate to strong nuclear positivity in trophoblastic cells.



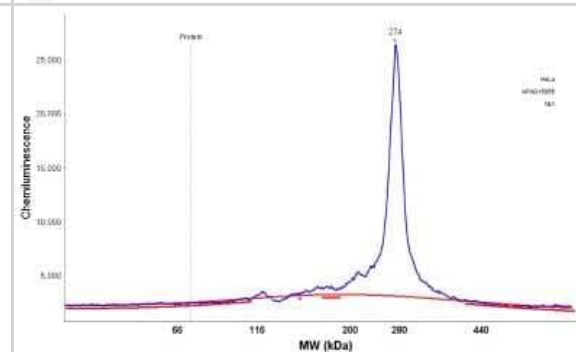
Immunohistochemistry-Paraffin: BRD4 Antibody [NBP1-86640] - Staining of human testis shows moderate to strong nuclear positivity in cells in seminiferous ducts.



Simple Western: BRD4 Antibody [NBP1-86640] - Simple Western lane view shows a specific band for BRD4 in 0.2 mg/ml of U-251MG sp lysate. This experiment was performed under reducing conditions using the 66-440 kDa separation system.



Simple Western: BRD4 Antibody [NBP1-86640] - Electropherogram image(s) of corresponding Simple Western lane view. BRD4 antibody was used at 1:60 dilution on U-251MG sp lysates(s).



Publications

Zimmermann M, Aguilera FB, Castellucci M et al. Chromatin remodelling and autocrine TNFalpha are required for optimal interleukin-6 expression in activated human neutrophils. *Nat Commun.* [PMID: 25616107] (Chemotaxis, Human)

Details:

Citation using the PE form of this antibody.

Zuber J, Shi J, Wang E et al. RNAi screen identifies Brd4 as a therapeutic target in acute myeloid leukaemia. *Nature* 2011-08-01 [PMID: 21814200]



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Products Related to NBP1-86640

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

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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