10320 Camino Santa Fe, Suite G
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BRD9 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18588A

Specification

BRD9 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9H8M2
Other Accession	NP_001009877.2
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**3-29**

BRD9 Antibody (N-term) - Additional Information

Gene ID 65980

Other Names
Bromodomain-containing protein 9, Rhabdomyosarcoma antigen MU-RMS-408, BRD9

Target/Specificity
This BRD9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 3-29 amino acids from the N-terminal region of human BRD9.

Dilution
WB~~1:1000
IHC-P~~1:100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
BRD9 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

BRD9 Antibody (N-term) - Protein Information

Name BRD9

Function Plays a role in chromatin remodeling and regulation of transcription (PubMed:22464331, PubMed:26365797). Acts as a chromatin reader that recognizes and binds acylated histones: binds

histones that are acetylated and/or butyrylated (PubMed:26365797). Component of SWI/SNF chromatin remodeling subcomplex GBAF that carries out key enzymatic activities, changing chromatin structure by altering DNA- histone contacts within a nucleosome in an ATP-dependent manner (PubMed:29374058). Orchestrates also the RAD51-RAD54 complex formation and thereby plays a role in homologous recombination (HR) (PubMed:32457312).

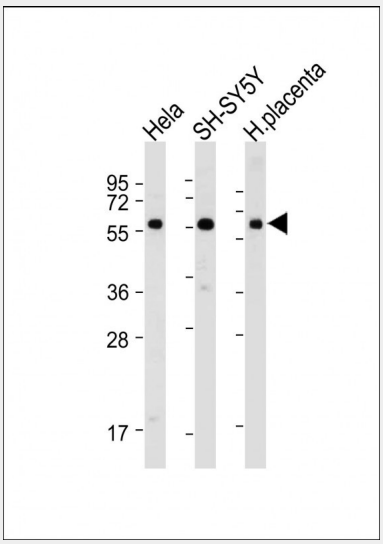
Cellular Location
Nucleus.

BRD9 Antibody (N-term) - Protocols

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

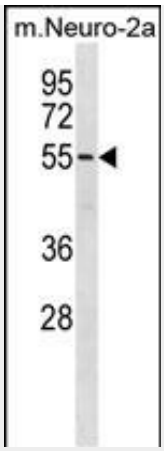
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BRD9 Antibody (N-term) - Images

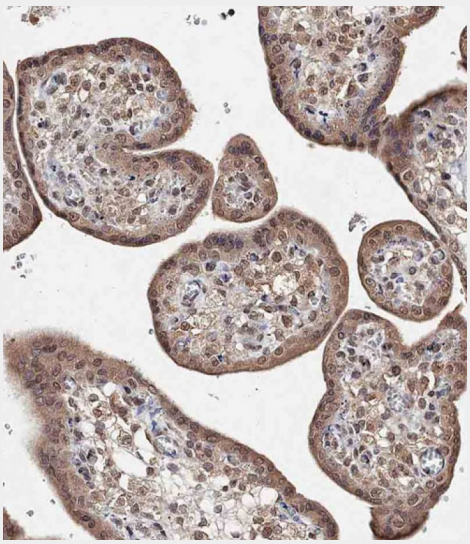


All lanes : Anti-BRD9 Antibody (N-term) at 1:1000-1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: SH-SY5Y whole cell lysate Lane 3: Human placenta lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 67 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

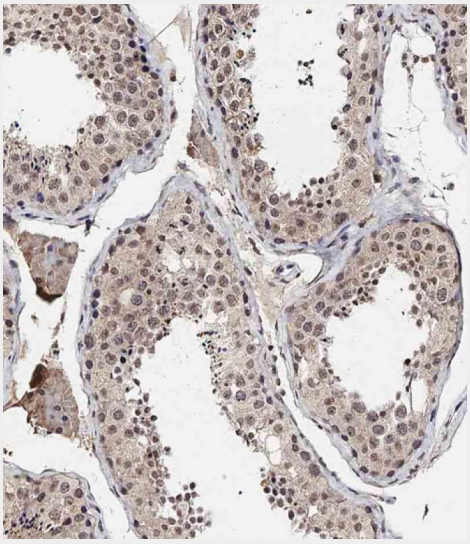
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BRD9 Antibody (N-term) (Cat. #AP18588a) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane).This demonstrates the BRD9 antibody detected the BRD9 protein (arrow).



Immunohistochemical analysis of AP18588A on paraffin-embedded Human placenta tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



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Immunohistochemical analysis of AP18588A on paraffin-embedded Human testis tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

BRD9 Antibody (N-term) - Background

BRD9 is a bromodomain containing protein, which are known to bind to acetylated lysine residues.

BRD9 Antibody (N-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Scotto, L., et al. Mol. Cancer 7, 58 (2008) :
Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)