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BRD9 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18588A

Product Information

Application	IHC-P, WB, E
Primary Accession	Q9H8M2
Other Accession	NP_001009877.2
Reactivity	Human, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38154
Calculated MW	67000
Antigen Region	3-29

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	IHC-P~~1:100 WB~~1:1000 E~~Use at an assay dependent concentration.
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.

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). Also orchestrates the RAD51-RAD54 complex formation and thereby plays a role in homologous recombination (HR) (PubMed:32457312).

Cellular Location Nucleus.

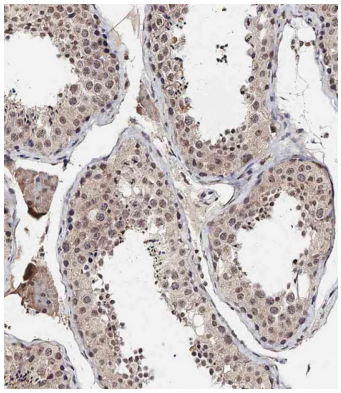
Background

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

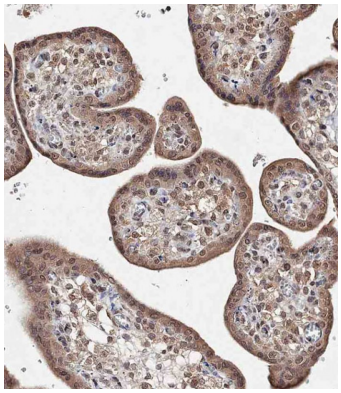
References

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)

Images

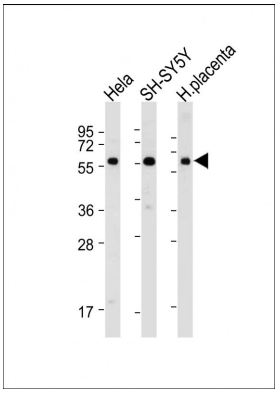


Immunohistochemical analysis of AP18588A on paraffin-embedded Human testis tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted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



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.

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.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.