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BAHD1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9159b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q8TBE0
Other Accession	Q497V6
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23425
Calculated MW	84652
Antigen Region	750-777

Additional Information

Gene ID	22893
Other Names	Bromo adjacent homology domain-containing 1 protein, BAH domain-containing protein 1, BAHD1, KIAA0945
Target/Specificity	This BAHD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 750-777 amino acids from the C-terminal region of human BAHD1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 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	BAHD1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BAHD1
Synonyms	KIAA0945

Function	Heterochromatin protein that acts as a transcription repressor and has the ability to promote the formation of large heterochromatic domains. May act by recruiting heterochromatin proteins such as CBX5 (HP1 alpha), HDAC5 and MBD1. Represses IGF2 expression by binding to its CpG-rich P3 promoter and recruiting heterochromatin proteins. At specific stages of Listeria infection, in complex with TRIM28, corepresses interferon-stimulated genes, including IFNL1, IFNL2 and IFNL3.
Cellular Location	Nucleus. Chromosome. Note=Localizes to heterochromatin and inactive X chromosome. Colocalizes with histone H3 trimethylated at 'Lys-27' (H3K27me3)

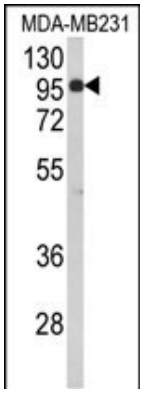
Background

BAHD1 is a heterochromatin protein that acts as a transcription repressor and has the ability to promote the formation of large heterochromatic domains. It may act by recruiting heterochromatin proteins such as CBX5 (HP1 alpha), HDAC5 and MBD1. It represses IGF2 expression by binding to its CpG-rich P3 promoter and recruiting heterochromatin proteins.

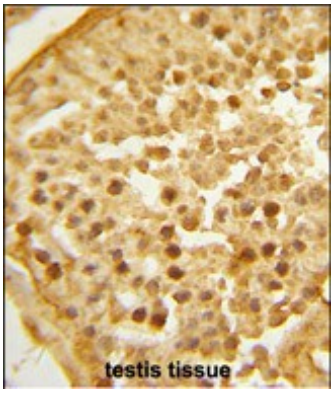
References

Mayya V.,et.al., Sci. Signal. 2:RA46-RA46(2009).
Dephoure N., et.al., Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).

Images

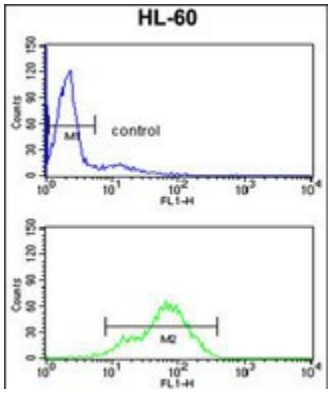


Western blot analysis of BAHD1 Antibody (C-term) (Cat. #AP9159b) in MDA-MB231 cell line lysates (35ug/lane). BAHD1 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human testis tissue reacted with BAHD1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

BAHD1 Antibody (C-term) (Cat. #AP9159b) flow cytometry analysis of HL-60 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



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