Datasheet for ABIN950600

anti-BAHD1 antibody (C-Term)

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Overview

Quantity:	0.4 mL
Target:	BAHD1
Binding Specificity:	AA 751-780, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 751~780 amino acids from the C-terminal region of human BAHD1
Isotype:	Ig Fraction
Specificity:	This antibody reacts to BAHD1.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	BAHD1
Alternative Name:	BAHD1 (BAHD1 Products)

Target Details

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.Synonyms: BAH domain-containing protein 1, Bromo adjacent homology domain-containing 1 protein, KIAA0945
Gene ID:	22893
NCBI Accession:	NP_055767

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) sodium azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

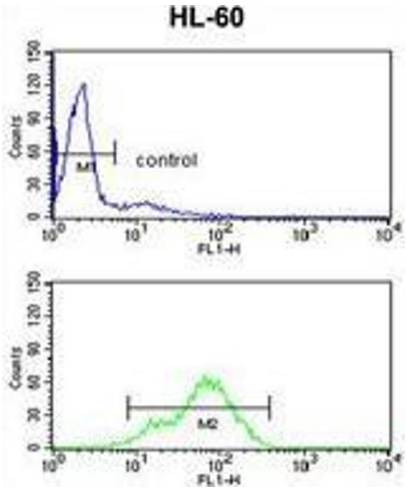
Publications

Product cited in:	Kobayashi, Nishita, Mishima, Ohashi, Mizuno: "MAPKAPK-2-mediated LIM-kinase activation is critical for VEGF-induced actin remodeling and cell migration." in: **The EMBO journal**, Vol. 25, Issue 4, pp. 713-26, (2006) (PubMed). Wang, Shibasaki, Mizuno: "Calcium signal-induced cofilin dephosphorylation is mediated by Slingshot via calcineurin." in: **The Journal of biological chemistry**, Vol. 280, Issue 13, pp. 12683-

Publications

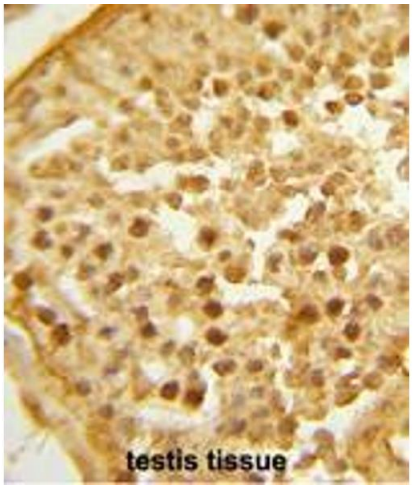
9, (2005) (PubMed).

Images



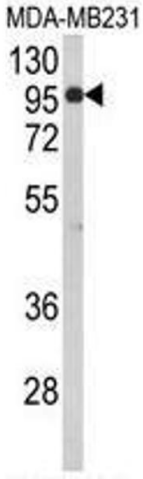
Flow Cytometry

Image 1. BAHD1 Antibody (C-term) 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.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. 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.



Western Blotting

Image 3. Western blot analysis of BAHD1 Antibody (C-term) in MDA-MB231 cell line lysates (35µg/lane). BAHD1 (arrow) was detected using the purified Pab.