

Mouse anti-Mouse AHI-1 Monoclonal Antibody | anti-AHI-1 antibody

Anti-AHI-1 Antibody

CATALOG # AAA60782	HOST Mouse	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

AHI-1; Monoclonal Antibody; Anti-AHI-1 Antibody; Anti-C-mAhi-1 M5 Antibody; anti-AHI-1 antibody

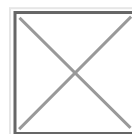
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	It only specifically reacts with murine Ahi-1.
Purity/Purification	Affinity purified
Form/Format	Liquid; PBS, pH 7.4 with 0.02% sodium azide.
Concentration	100ug/100ul (varies by lot)
Sequence Length	10
Applicable Applications for anti-AHI-1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	C-mAhi-1 M5 reacts with an epitope in the c-terminal region of mouse Ahi-1 protein. A recombinant mouse Ahi-1 GST fusion protein was used as immunogen. This antibody was purified from supernatant by affinity chromatography.
Preparation and Storage	This product is stable for several weeks at 4 degree C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, aliquot contents and freeze at -20 degree C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of receipt.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-AHI-1 antibody	Abelson helper integration site-1 (Ahi-1) is a novel oncogene identified based on its common activation in v-abl and myc-induced murine lymphomas. The murine Ahi-1 gene encodes a unique protein with multiple SH3 binding sites, an SH3 domain and multiple WD40-repeat domains. The conserved human homolog (AHI-1) contains an additional coiled-coil domain in its N-terminal region. Both murine and human Ahi-1/AHI-1 genes encode at least three isoforms and thus this gene is also subject to alternative splicing in normal cells. Expression of Ahi-1/AHI-1 is regulated at multiple stages of hematopoiesis in a highly conserved fashion in mouse and humans. It is highly elevated in certain human lymphoma and leukemia cells, including those from patients with cutaneous T-cell lymphomas (CTCL), BCR-ABL+ chronic myeloid leukemia (CML) and acute lymphoblastic leukemia (ALL). AHI-1 is also to be strongly expressed in embryonic hindbrain and forebrain, and AHI-1 may be required for both cerebellar and cortical development in humans. Defects in AHI-1 are the cause of Joubert syndrome, an autosomal recessive brain congenital malformation.
References	Chen, M et al. "Targeting primitive chronic myeloid leukemia cells by effective inhibition of a new AHI-1-BCR-ABL-JAK2 complex." J. Natl. Cancer Inst. 105:405-23 (2013). PubMed: 23446755. Liu, X et al. "Molecular and structural characterization of the SH3 domain of AHI-1 in regulation of cellular resistance of BCR-ABL(+) chronic myeloid leukemia cells to tyrosine kinase inhibitors." Proteomics 12:2094-106 (2012). PubMed: 22623184.

NCBI AND UNIPROT INFORMATION

NCBI GI #	22252982
NCBI Official Full Name	Ahi-1 isoform I, partial
UniProt Protein Name	Ahi-1 isoform I
UniProt Gene Name	AHI-1
UniProt Entry Name	Q8NER0_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/ahi-1-antibody-immunohistochemistry-western-blot-elisa/60782>