Datasheet for ABIN7599208

anti-HAX1 antibody (AA 1-279)

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Overview

Quantity:	100 µg
Target:	HAX1
Binding Specificity:	AA 1-279
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HAX1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-HAX1 Antibody Picoband®
Immunogen:	E.coli-derived human HAX1 recombinant protein (Position: M1-R279).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-HAX1 Antibody Picoband® (ABIN7599208). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	HAX1
Alternative Name:	HAX1 (HAX1 Products)
Background:	Synonyms: Cyclin-dependent kinase 8, Cell division protein kinase 8, Mediator complex subunit CDK8, Mediator of RNA polymerase II transcription subunit CDK8, Protein kinase K35, CDK8 Tissue Specificity: Predominantly expressed in the liver (PubMed:11099417, PubMed:11452359). Low expression levels in the small intestine and colon (PubMed:11099417). Very low levels in other tissues, including brain, heart and spleen (PubMed:11452359). Background: HCLS1-associated protein X-1 is a protein that in humans is encoded by the HAX1 gene. The protein encoded by this gene is known to associate with hematopoietic cell-specific Lyn substrate 1, a substrate of Src family tyrosine kinases. It also interacts with the product of the polycystic kidney disease 2 gene, mutations in which are associated with autosomal-dominant polycystic kidney disease, and with the F-actin-binding protein, cortactin. It was earlier thought that this gene product is mainly localized in the mitochondria, however, recent studies indicate it to be localized in the cell body. Mutations in this gene result in autosomal recessive severe congenital neutropenia, also known as Kostmann disease. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	36 kDa
Gene ID:	10456
UniProt:	O00165
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, -

1. Carlsson, G., Fasth, A. Infantile genetic agranulocytosis, morbus Kostmann: presentation of six cases from the original 'Kostmann family' and a review. Acta Paediat. 90: 757-764, 2001. 2. Chao, J.-R., Parganas, E., Boyd, K., Hong, C. Y., Opferman, J. T., Ihle, J. N. Hax1-mediated processing of HtrA2 by Parl allows survival of lymphocytes and neurons. Nature 452: 98-102, 2008. Note: Erratum: Nature 452: 900 only, 2008. 3. Dale, D. C., Person, R. E., Bolyard, A. A., Aprikyan, A. G., Bos, C., Bonilla, M. A., Boxer, L. A., Kannourakis, G., Zeidler, C., Welte, K., Benson,

Application Details

	K. F., Horwitz, M. Mutations in the gene encoding neutrophil elastase in congenital and cyclic neutropenia. Blood 96: 2317-2322, 2000.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.