Datasheet for ABIN2784795

anti-HAX1 antibody (Middle Region)

1 Image

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Overview

Quantity:	100 µL
Target:	HAX1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Guinea Pig, Horse, Cow, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HAX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human HAX1
Sequence:	LPGPESETPG ERLREGQTLR DSMLKYPDSH QPRIFGGVLE SDARSESPQP
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 100%, Horse: 85%, Human: 100%, Mouse: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against HAX1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	HAX1
Alternative Name:	HAX1 (HAX1 Products)

Target Details

Background:	HAX1 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.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. Alias Symbols: HCLSBP1, HS1BP1, SCN3 Protein Interaction Partner: ERLIN2, UBC, BIRC3, CEP250, TUBGCP2, TUBGCP3, MAPK10, HIPK1, DYRK4, ZNF420, POLR1D, ZNRD1, RBX1, STAT5B, RPA1, PPP3CC, CFTR, EWSR1, SHC1, HTRA2, NEDD4L, CUL3, CUL4A, PIDD1, SVIL, EBNA-LP, AMFR, HNF4G, AKAP10, TUBB4A, ABCC4, MATN4, EIF3D, RGS1, HSP90AB1, H Protein Size: 279
Molecular Weight:	31 kDa
Gene ID:	10456
NCBI Accession:	NM_006118, NP_006109
UniProt:	O00165
Pathways:	Regulation of Actin Filament Polymerization

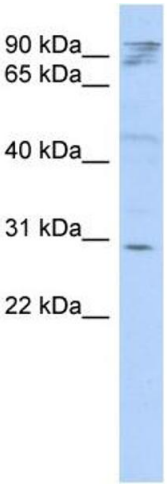
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 279 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-HAX1 Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: COLO205 cell lysate