

Anti-HAX1 antibody ab137613

[6 References](#) [5 Images](#)

Overview

Product name	Anti-HAX1 antibody
Description	Rabbit polyclonal to HAX1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Rat, Human
Immunogen	Recombinant fragment corresponding to Human HAX1 aa 1-279. Database link: O00165
Positive control	WB: MOLT-4, Raji whole cell lysate. HEK-293T, A431, HeLa, HepG2 whole cell extracts. IHC-P: NCIN87 Xenograft. Rat ovary. ICC/IF: A431.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 89.99% PBS, 10% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab137613 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 32 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/1000.

Target**Function**

Promotes cell survival. Potentiates GNA13-mediated cell migration. Involved in the clathrin-mediated endocytosis pathway. May be involved in internalization of ABC transporters such as ABCB11. May inhibit CASP9 and CASP3. May regulate intracellular calcium pools.

Tissue specificity

Ubiquitous. Up-regulated in oral cancers.

Involvement in disease

Defects in HAX1 are the cause of neutropenia severe congenital autosomal recessive type 3 (SCN3) [MIM:610738]; also known as Kostmann disease. A disorder of hematopoiesis characterized by maturation arrest of granulopoiesis at the level of promyelocytes with peripheral blood absolute neutrophil counts below $0.5 \times 10^9/l$ and early onset of severe bacterial infections. Some patients affected by severe congenital neutropenia type 3 have neurological manifestations such as psychomotor retardation and seizures. Note=The clinical phenotype due to HAX1 deficiency appears to depend on the localization of the mutations and their influence on the transcript variants. Mutations affecting exclusively isoform 1 are associated with isolated congenital neutropenia, whereas mutations affecting both isoform 1 and isoform 5 are associated with additional neurologic symptoms.

Sequence similarities

Belongs to the HAX1 family.

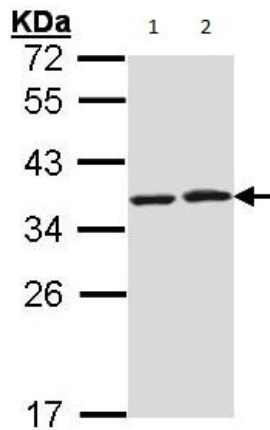
Post-translational modifications

Proteolytically cleaved by caspase-3 during apoptosis.

Cellular localization

Mitochondrion. Endoplasmic reticulum. Nucleus membrane. Cytoplasmic vesicle. Sarcoplasmic reticulum.

Images



Western blot - Anti-HAX1 antibody (ab137613)

All lanes : Anti-HAX1 antibody (ab137613) at 1/1000 dilution

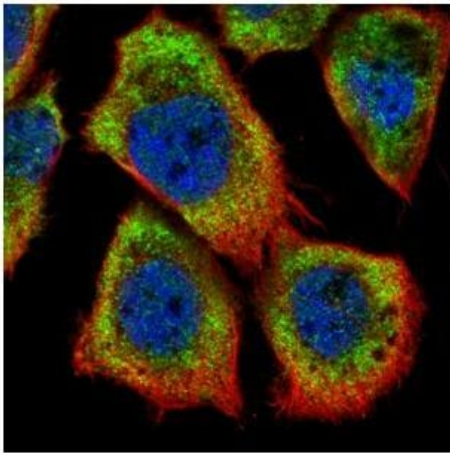
Lane 1 : MOLT-4 whole cell lysate

Lane 2 : Raji whole cell lysate

Lysates/proteins at 30 µg per lane.

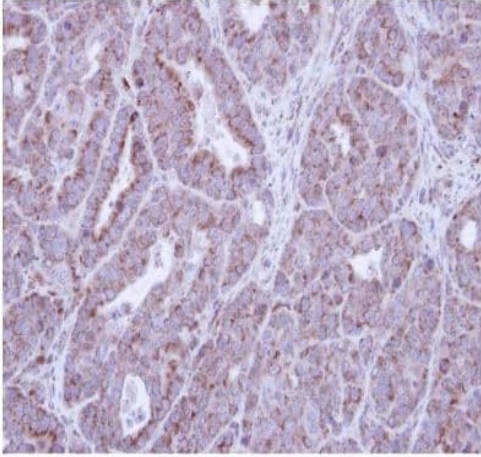
Predicted band size: 32 kDa

12% SDS PAGE



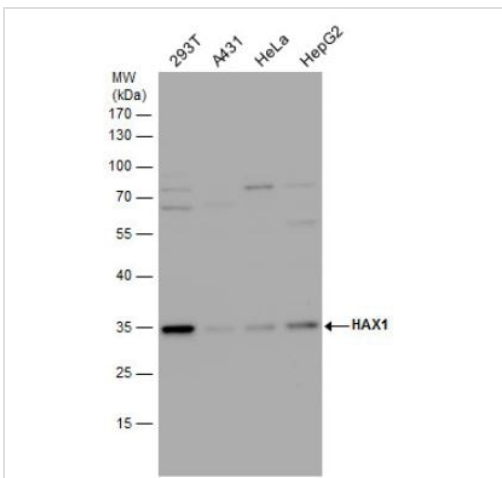
Immunocytochemistry/ Immunofluorescence - Anti-HAX1 antibody (ab137613)

ab137613 at a 1/500 dilution, staining HAX1 in methanol-fixed A431 cells by Immunofluorescence (green).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HAX1 antibody (ab137613)

ab137613, at a 1/100 dilution, staining HAX1 in paraffin embedded NCIN87 xenograft tissue by Immunohistochemistry.



Western blot - Anti-HAX1 antibody (ab137613)

All lanes : Anti-HAX1 antibody (ab137613) at 1/1000 dilution

Lane 1 : HEK-293T whole cell extracts

Lane 2 : A431 whole cell extracts

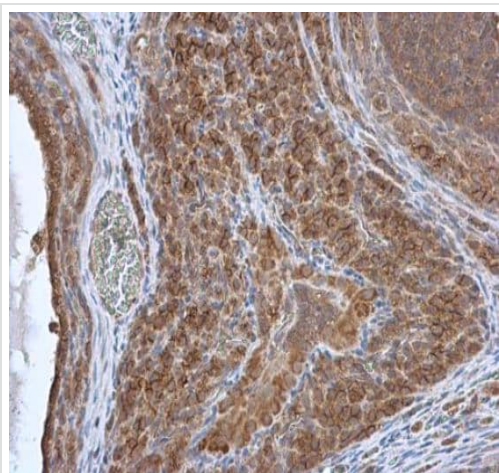
Lane 3 : HeLa whole cell extracts

Lane 4 : HepG2 whole cell extracts

Lysates/proteins at 30 µg per lane.

Predicted band size: 32 kDa

12% SDS-PAGE



Paraffin embedded rat ovary tissue stained for HAX1 using ab137613 at 1/500 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HAX1 antibody (ab137613)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors