


Product datasheet

# Anti-HAX1 antibody ab87185

1 Image

Overview

<b>Product name</b>	Anti-HAX1 antibody
<b>Description</b>	Rabbit polyclonal to HAX1
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Horse, Guinea pig, Cow, Dog 
<b>Immunogen</b>	Synthetic peptide corresponding to a region within internal sequence amino acids 108-157 (PGPESETPGE RLREGQTLRD SMLKYPDSHQ PRIFGGVLES DARSESPQPA) of Human HAX1 (NP_006109). <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	COLO205 cell lysate.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: 2% Sucrose, PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

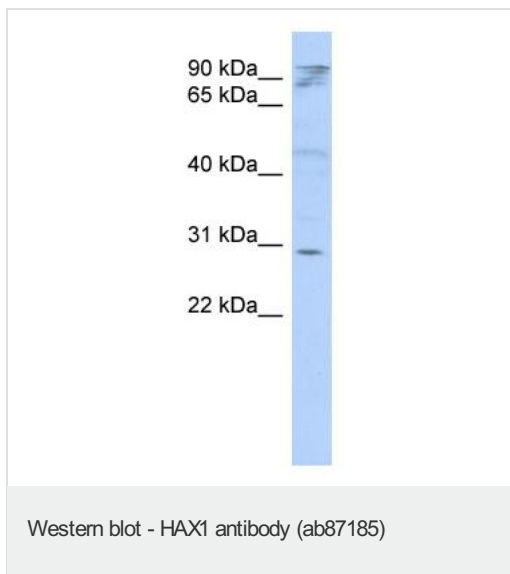
Our [Abpromise guarantee](#) covers the use of **ab87185** in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 32 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Target

<b>Function</b>	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.
<b>Tissue specificity</b>	Ubiquitous. Up-regulated in oral cancers.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the HAX1 family.
<b>Post-translational modifications</b>	Proteolytically cleaved by caspase-3 during apoptosis.
<b>Cellular localization</b>	Mitochondrion. Endoplasmic reticulum. Nucleus membrane. Cytoplasmic vesicle. Sarcoplasmic reticulum.

### Anti-HAX1 antibody images



Anti-HAX1 antibody (ab87185) at 1 µg/ml (in 5% skim milk / PBS buffer) + COLO205 cell lysate at 10 µg

#### Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

**Predicted band size** : 32 kDa

**Observed band size** : 30 kDa

**Additional bands at** : 50 kDa,90 kDa. We are unsure as to the identity of these extra bands.

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