

Product datasheet for **AM09085PU-S**

HAX1 Mouse Monoclonal Antibody [Clone ID: AT3C5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT3C5
Applications:	ELISA, ICC/IF, WB
Recommended Dilution:	ELISA. Western blot (1:1000 - 1:2000).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b, kappa
Clonality:	Monoclonal
Immunogen:	Recombinant human HAX1 (1-279aa) purified from E. coli
Specificity:	The antibody recognizes human HAX-1. Other species not tested.
Formulation:	Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol
Concentration:	1mg/ml (determined by BCA assay)
Purification:	By protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.
Stability:	Shelf life: one year from despatch.
Gene Name:	HCLS1 associated protein X-1
Database Link:	NP_006109 Entrez Gene 10456 Human O00165

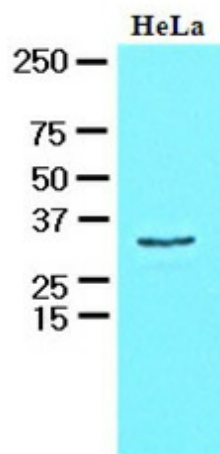


Background:

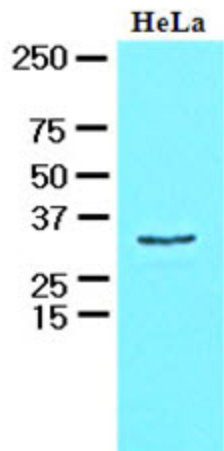
HAX1 is known to associate with hematopoietic cell-specific Lyn substrate 1 (HS1), one of the substrates of receptor-coupled tyrosine kinases activated during clonal expansion and deletion in lymphoid cells. It also interacts with the product of the polycystic kidney disease 2 (PKD2) gene and with the F-actin-binding protein, cortactin. HAX1 is also reported to bind to hairpin structures in vimentin and DNA polymerase beta mRNAs, so may play a role in mRNA stability and transport. It may also function in promoting cell survival. Defects in HAX1 are the cause of autosomal recessive severe congenital neutropenia 3 (SCN3) also called Kostmann disease.

Synonyms:

HCLS1 associated protein X-1, HSIBP1, HCLSBP1, HCLS1 (and PKD2) associated protein

Product images:

Cell lysates of MCF7 (30ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human HAX1 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Western blot analysis : Cell lysates of HeLa (30 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human HAX-1 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.