

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human HAX-1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human HAX-1 Ser2-Leu261 Accession # O00165
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

HAX-1 (HCLS1-associated protein X-1; also HS1-binding protein1) is a 34-35 kDa intracellular protein with structural similarity to Bcl-2 family proteins. It is ubiquitously expressed, and participates in a variety of cell-specific functions. HAX-1 blocks cardiomyocyte apoptosis via caspase-9 inhibition, downregulates conjugated bile acid secretion via BSEP binding, and via PKD2, transmits integrin signals to the ER. Human HAX-1 is 279 amino acids (aa) in length and contains two Bcl-2 homology regions (aa 37-56 and 74-89), a PEST domain (aa 104-117) and a potential transmembrane segment (aa 261-279). HS-1 is found mostly in the mitochondria. HAX-1 is also cleaved by caspase-3 at Asp127. Over aa 2-261, human HAX-1 shares 81% aa identity with mouse HAX-1.

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