Datasheet for ABIN968198

anti-HAX1 antibody (AA 10-148)

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Overview

Quantity:	50 µg
Target:	HAX1
Binding Specificity:	AA 10-148
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HAX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Human HAX-1 aa. 10-148
Clone:	52-HAX
Isotype:	IgG1
Cross-Reactivity:	Rat (Rattus), Mouse (Murine)
Characteristics:	1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Please refer to us for technical protocols. 3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing. 4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

Product Details

Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	HAX1
Alternative Name:	HAX-1 (HAX1 Products)
Background:	Cell-cell interactions in the immune system, mediated by membrane-bound antigen receptors, trigger a cascade of signaling mechanisms collectively known as the T-cell response. Upon antigen binding, cellular tyrosine kinases are activated resulting in the phosphorylation of HS1 or Lck-binding protein 1 (LckBP1), which is involved in thymic negative selection. HS1 is one of the earliest intracellular proteins to be tyrosine phosphorylated in response to antigen-receptor cross-linking in T cells. HAX-1 (HS1-associated protein X-1) is a 35 kDa protein found associated with HS1 by co-immunoprecipitation assays and the two-hybrid system. HAX-1 is ubiquitously expressed and localized in the mitochondria, endoplasmic reticulum, and the nuclear envelope. The HS1-HAX-1 complex may be critical for signal transduction pathways initiated by antigen presentation to T cells.
Molecular Weight:	35 kDa
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Comment:	Related Products: ABIN968537, ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

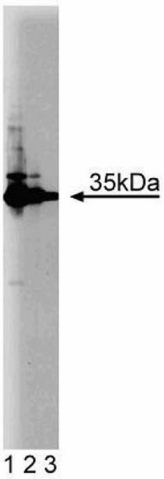
Handling

Storage Comment:	Store undiluted at -20° C.

Publications

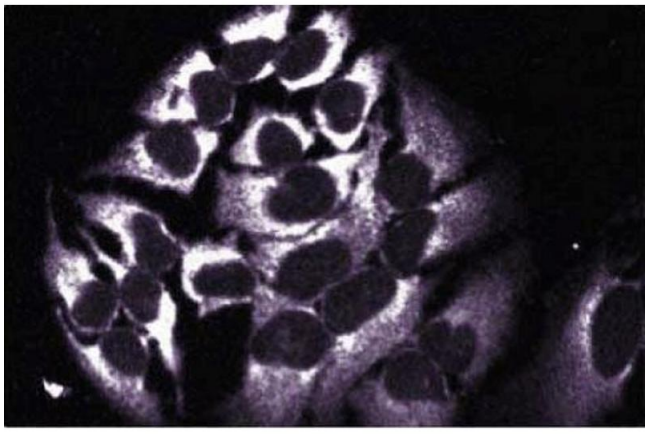
Product cited in:	Suzuki, Demoliere, Kitamura, Takeshita, Deuschle, Watanabe: "HAX-1, a novel intracellular protein, localized on mitochondria, directly associates with HS1, a substrate of Src family tyrosine kinases." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 158, Issue 6, pp. 2736-44, (1997) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis of HAX-1 on Jurkat cell lysate. Lane 1: 1:250, lane 2: 1:500, lane 3: 1:1000 dilution of anti-HAX-1 antibody.



Immunofluorescence

Image 2. Immunofluorescent staining of HeLa cells with anti-HAX-1 antibody.