



# Polyclonal Anti-ABI-1

Catalogue No. PA1001

Lot No. 03A01

Ig type: rabbit IgG

Size: 100µg/vial

#### Specificity

Human, mouse, rat. No cross reactivity with other proteins.

#### **Recommended application**

Western blot Immunohistochemistry(P) Immunohistochemistry(F) Immunocytochemistry



### Immunogen

A synthetic peptide corresponding to a sequence at the C-terminal of human ABI-1, different from the related rat and mouse sequence by single amino acid

#### Purity

Immunogen affinity purified.

#### Application

Western blot

At 1-2µg/ml with the appropriate system to detect Abi-1 in cells and tissues.

Immunohistochemistry(P)

At 0.5-1µg/ml to detect Abi-1 in formalin fixed and paraffin embedded tissues.

*Immunohistochemistry(F)* 

At 0.5-1 $\mu$ g/ml to detect Abi-1 in formalin or acetone fixed tissues.

Immunocytochemistry

At 0.5-1µg/ml to detect Abi-1 in acetone fixed cell. Antigen retrieval by Pepsin and Trypsin is required.

Other applications have not been tested.

To reorder contact us at: Antagene, Inc. Toll Free: 1(866)964-2589 email: Info@antageneinc.com Optimal dilutions should beReconstitutiondetermined by end user.0.2ml of distilled water will yield a concentration of 500µg/ml.

### Contents

### Each vial contains 5mg BSA, Storage

0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, At -20 $^{\circ}$ C for one year. After reconstitution, at 4 $^{\circ}$ C for one month. It can 0.05mg Thimerosal, 0.05mg also be aliquotted and stored frozen at -20 $^{\circ}$ C for longer time. NaN<sub>3</sub>.

## BACKGROUND

ABI1 is a human homolog of mouse Abl-interactor-1 (Abi1), mapped on 10p11.2. ABI1 participate in the transduction of signals from Ras to Rac by regulating Rac-specific guanine nucleotide exchange factor (GEF) activities. ABI1 dramatically promoted ABL1-mediated tyrosine phosphorylation of MENA, but not of other substrates. Abi-1 regulates c-Abl-mediated phosphorylation of Mena by interacting with both proteins.ABI1 plays a role in the leukemogenesis by translocating to MLL.

## REFERENCE

1.Tani, K.; Sato, S.; Sukezane, T.; Kojima, H.; Hirose, H.; Hanafusa, H.; Shishido, T. : Abl interactor 1 promotes tyrosine 296 phosphorylation of mammalian Enabled (Mena) by c-Abl kinase. J. Biol. Chem. 278: 21685-21692, 2003.

2. Taki, T.; Shibuya, N.; Taniwaki, M.; Hanada, R.; Morishita, K.; Bessho, F.; Yanagisawa, M.; Hayashi, Y. : ABI-1, a human homolog to mouse AbI-interactor 1, fuses the MLL gene in acute myeloid leukemia with t(10;11)(p11.2;q23). Blood 92: 1125-1130, 1998.