



Polyclonal Anti-ABI-1 (Sepharose Bead Conjugate)

Catalogue No. PA1001-S

Lot No. 03A01

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation (IP)

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

Purification

Immunogen affinity purified.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Storage

Store at 4°C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

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 Abl-interactor 1, fuses the MLL gene in acute myeloid leukemia with t(10;11)(p11.2;q23). Blood 92: 1125-1130, 1998.

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Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com