

Anti-Phospho-ABI1(Abl-interactor 1) Polyclonal Antibody

Cat. #: 60B955(Y-p435 phospho)

Description:

ABI1 (Abl-interactor 1) may act in negative regulation of cell growth and transformation by interacting with nonreceptor tyrosine kinases ABL1 and/or ABL2. ABI1 may play a role in regulation of EGF-induced Erk pathway activation. ABI1 is involved in cytoskeletal reorganization and EGFR signaling. Together with EPS8 ABI1 participates in transduction of signals from Ras to Rac. In vitro, a trimeric complex of ABI1, EPS8 and SOS1 exhibits Rac specific guanine nucleotide exchange factor (GEF) activity and ABI1 seems to act as an adapter in the complex. ABI1 regulates ABL1/c-Abl-mediated phosphorylation of MENA. It recruits WASF1 to lamellipodia and there seems to regulate WASF1 protein level. ABI1 interacts with ABL1, MENA, STX1A, SNAP25, VAMP2, EPS8, and through its N-terminus with WASF1.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic phospho-peptide(phospho-tyrosine 435) corresponding to C-terminal residues of human ABI1(Abl-interactor 1)

References

- Biesova,Z., et al, *Oncogene* 14 (2), 233-241 (1997)
Ziemnicka-Kotula,D., et al, *J. Biol. Chem.* 273 (22), 13681-13692 (1998)
Yamamoto,A., et al, *Gene* 271 (2), 159-169 (2001)
Gu,Y., et al, *FEBS Lett.* 540 (1-3), 195-200 (2003)
Gevaert,K., et al, *Nat. Biotechnol.* 21 (5), 566-569 (2003)
Fan,P.D. and Goff,S.P., *Mol. Cell. Biol.* 20 (20), 7591-7601 (2000)
Taki,T.,et al, *Blood* 92 (4), 1125-1130 (1998)
Salomon,A.R., et al, *Proc. Natl. Acad. Sci. U.S.A.* 100 (2), 443-448 (2003)

Clone Number:

Isotype:

Species: human, mouse

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)