

Human Abl Interactor 1 (ABI1) ELISA Kit | ABI1 elisa kit

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CATALOG #
AAA331062

REACTIVITY
Human

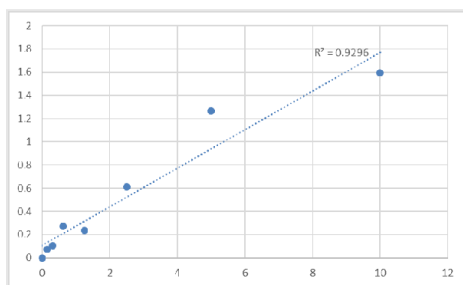
PRODUCT SYNONYMS

Abl Interactor 1 (ABI1); Human Abl Interactor 1 (ABI1) ELISA Kit; ABI1; RP13-16H11.4; ABI-1; E3B1; NAP1BP; SSH3BP; SSH3BP1; Abelson interactor 1; Abl-interactor protein 1 long; eps8 binding protein; interactor protein AbIBP4; nap1 binding protein; spectrin SH3 domain binding; ABI1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Abl interactor 1 (ABI1) ELISA Kit has high sensitivity and excellent specificity for detection of Human ABI1. No significant cross-reactivity or interference between Human ABI1 and analogues was observed.
Sequence Length	508
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Abl interactor 1 (ABI1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ABI1 elisa kit	Description: This Human Abl interactor 1 (ABI1) ELISA Kit employs a two-site sandwich ELISA to quantitate ABI1 in samples. An antibody specific for ABI1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ABI1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABI1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ABI1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ABI1 has been found to form a complex with EPS8 and SOS1, and is thought to be involved in the transduction of signals from Ras to Rac. In addition, the encoded protein may play a role in the regulation of EGF-induced Erk pathway activation as well as cytoskeletal reorganization and EGFR signaling. Abi1 is adaptor protein. It interacts with c-Abl and WAVE2 which is actin polymerization regulator. It is known that Abi1 enhances the phosphorylation of WAVE2 by c-Abl. The phosphorylation of c-Abl promotes actin polymerization. Furthermore, Abi1 is component of WAVE complex. Some research paper showed that knock down of Abi1 by si(short interfering)RNA promoted degradation of WAVE complex proteins.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50400546
NCBI GeneID	10006
UniProt Accession #	Q8IZP0
NCBI Official Full Name	Abl interactor 1
NCBI Official Synonym Full Names	abl interactor 1
NCBI Official Symbol	ABI1
NCBI Official Synonym Symbols	E3B1; ABI-1; ABLBP4; NAP1BP; SSH3BP; SSH3BP1
NCBI Protein Information	abl interactor 1
UniProt Protein Name	Abl interactor 1
UniProt Gene Name	ABI1
UniProt Synonym Gene Names	SSH3BP1; Abi-1; AblBP4; Eps8-binding protein; Nap1BP
UniProt Entry Name	ABI1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.