

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

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CATALOG #
AAA135628

REACTIVITY
Human

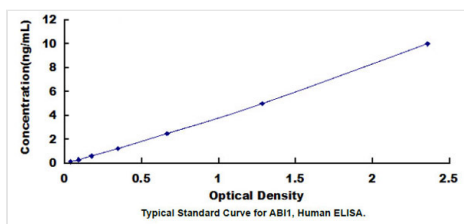
PRODUCT SYNONYMS

Abl Interactor 1 (ABI1); Human Abl Interactor 1 (ABI1) ELISA Kit; ABI-1; E3B1; NAP1BP; SSH3BP1; Spectrin SH3 Domain Binding Protein 1; Abelson interactor 1; Abl-binding protein 4; Nap1-binding protein; Eps8 SH3 domain-binding protein; ABI1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ABI1. No significant cross-reactivity or interference between ABI1 and analogues was observed.
Sequence Length	481
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ABI1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ABI1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ABI1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ABI1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ABI1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ABI1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ABI1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ABI1 elisa kit	Signal Transduction
References	Abi1 mediates airway smooth muscle cell proliferation and airway remodeling via Jak2/STAT3 signaling; iScience; 2022 Jan 29;25(2):103833.; PMID: 35198891; Ruping Wang; Department of Molecular and Cellular Physiology, Albany Medical College, Albany, NY 12208, USA.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116089341
NCBI GeneID	11308
NCBI Accession #	NP_001070658.1
NCBI GenBank Nucleotide #	NM_001077190.2
UniProt Accession #	Q8CBW3; Q3U8V0; Q60747; Q91ZM5; Q923I9; Q99KH4
Molecular Weight	42,548 Da
NCBI Official Full Name	abl interactor 1 isoform 1
NCBI Official Synonym Full Names	abl-interactor 1
NCBI Official Symbol	Abi1
NCBI Official Synonym Symbols	E3B1; NAP1; abi-1; Ssh3bp1
NCBI Protein Information	abl interactor 1
UniProt Protein Name	Abl interactor 1
UniProt Gene Name	Abi1
UniProt Synonym Gene Names	Ssh3bp1; Abi-1; Eps8-binding protein
UniProt Entry Name	ABI1_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/abl-interactor-1-abi1/135628>