

产品名称: Abi-1 Rabbit Polyclonal Antibody
产品货号: APRab06448



产品概述 (Summary)

产品名称 (Production Name)	Abi-1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ABI1 ABI1; SSH3BP1; Abl interactor 1; Abelson interactor 1; Abi-1; Abl-binding protein 4; AblBP4; Eps8 SH3 domain-binding protein; Eps8-binding protein; Nap1-binding protein; Nap1BP; Spectrin SH3 domain-binding protein 1; e3B1
别名 (Alternative Names)	
基因 ID (Gene ID)	10006.0
蛋白 ID (SwissProt ID)	Q8IZP0.The antiserum was produced against synthesized peptide derived from human Abi-1. AA range:152-201

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	55kDa

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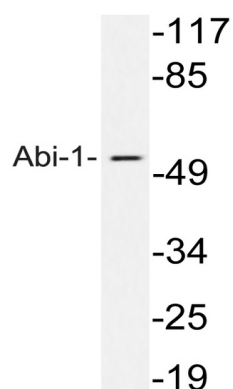
研究背景 (Background)

This gene encodes a member of the Abelson-interactor family of adaptor proteins. These proteins facilitate signal transduction as components of several multiprotein complexes, and regulate actin polymerization and cytoskeletal remodeling through interactions with Abelson tyrosine kinases. The encoded protein plays a role in macropinocytosis as a component of the WAVE2 complex, and also forms a complex with EPS8 and SOS1 that mediates signal transduction from Ras to Rac. This gene may play a role in the progression of several malignancies including melanoma, colon cancer and breast cancer, and a t(10;11) chromosomal translocation involving this gene and the MLL gene has been associated with acute myeloid leukemia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 14. [provided by RefSeq, alternative products: Additional isoforms seem to exist, disease: A chromosomal aberration involving ABI1 is a cause of acute leukemias. Translocation t(10;11)(p11.2;q23) with MLL. ABI1 isoform 2 was found to be present in acute leukemia MLL-ABI1 fusion transcript, domain: The t-SNARE coiled-coil homology domain is necessary and sufficient for interaction with STX1A, function: May act in negative regulation of cell growth and transformation by interacting with nonreceptor tyrosine kinases ABL1 and/or ABL2. May play a role in regulation of EGF-induced Erk pathway activation. Involved in cytoskeletal reorganization and EGFR signaling. Together with EPS8 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. Regulates ABL1/c-Abl-mediated phosphorylation of MENA. Recruits WASF1 to lamellipodia and there seems to regulate WASF1 protein level, PTM: In vitro substrate for v-Abl (By similarity). Phosphorylated on tyrosine residues after serum stimulation or induction by v-Abl, similarity: Belongs to the ABI family, similarity: Contains 1 SH3 domain, similarity: Contains 1 t-SNARE coiled-coil homology domain, subcellular location: Localized to protruding lamellipodia and filopodia tips. Also localized to neuronal growth cones and synaptosomes, subunit: Interacts with ABL1, MENA, STX1A, SNAP25, VAMP2, EPS8, and through its N-terminus with WASF1. Part of a complex consisting of ABI1, STX1A and SNAP25. Part of a complex consisting of ABI1, EPS8 and SOS1 (By similarity). Interacts with SOS1, SOS2, GRB2, SPTA1 and the first SH3 domain of NCK1. Isoform 6 does not interact with NCK1. Component of the WAVE2 complex composed of ABI1, CYFIP1/SRA1, NCKAP1/NAP1 and WASF2/WAVE2, tissue specificity: Widely expressed, with highest expression in brain,.

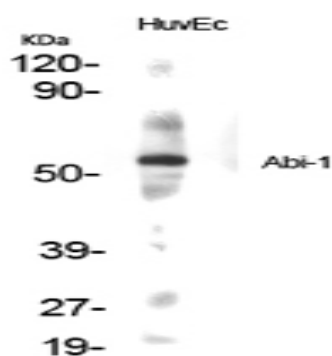
研究领域 (Research Area)

图片 (Image Data)

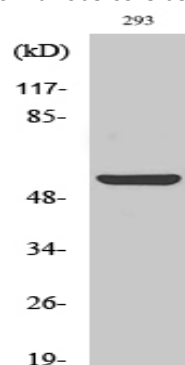
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Western blot analysis of lysates from 293 cells treated with TNF, using Abi-1 antibody.



Western Blot analysis of various cells using Abi-1 Polyclonal Antibody



Western Blot analysis of 293 cells using Abi-1 Polyclonal Antibody

注意事项 (Note)

For research use only .