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Rabbit Anti-ABI1/SSH3BP1 antibody

SL1961R

Product Name:	ABI1/SSH3BP1
Chinese Name:	ABI1/SSH3BP1蛋白抗体
Alias:	Abelson interactor 1; Abelson interactor 1; ABI 1; ABI1; ABI-1 Abl binding protein 4; Abl interactor 1; Abl interactor protein 1 long; AblBP4; Ablphilin 1; E3B1; Eps8 binding protein; Eps8 SH3 domain binding protein; Hssh3bp1; NAP1; NAP1BP; Spectrin SH3 domain binding protein 1; SSH3BP; SSH3BP1; ABI1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	55kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ABI1:101-200/508
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	May act in negative regulation of cell growth and transformation by interacting with nonreceptor tyrosine kinases ABL1 and/or ABL2. In vitro, at least isoform 2 and isoform 4 suppress the transforming activity of Abelson murine leukemia virus(v-Abl) after overexpression in fibroblasts. May play a role in regulation 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 (By similarity). Recruits WASF1 to lamellipodia and there seems to regulate WASF1 protein level. **Function:** May act in negative regulation of cell growth and transformation by interacting with nonreceptor tyrosine kinases ABL1 and/or ABL2. In vitro, at least isoform 2 and isoform 4 suppress the transforming activity of Abelson murine leukemia virus(v-Abl) after overexpression in fibroblasts. May play a role in regulation 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 (By similarity). Recruits WASF1 to lamellipodia and there seems to regulate WASF1 protein level. **Subunit:** Interacts with ABL1, ENAH, 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. 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. **Subcellular Location:** Cytoplasm. Nucleus. Cell projection, lamellipodium. Cell projection, filopodium. Cell projection, growth cone. Cell junction, synapse, synaptosome. Cytoplasm, cytoskeleton. Note=Localized to protruding lamellipodia and filopodia tips. Also localized to neuronal growth cones and synaptosomes. **Tissue Specificity:** Widely expressed, with highest expression in brain. **Post-translational modifications:** In vitro substrate for v-Abl. Phosphorylated on tyrosine residues after serum stimulation or induction by v-Abl. **Similarity:** Belongs to the ABI family. Contains 1 SH3 domain. Contains 1 t-SNARE coiled-coil homology domain. **SWISS:** Q8IZP0

Gene ID:
10006

Database links:

Entrez Gene: 10006Human

Entrez Gene: 11308Mouse

Entrez Gene: 79249Rat

Omim: 603050Human

SwissProt: Q8IZP0Human

SwissProt: Q8CBW3Mouse

SwissProt: A2VD09Rat

SwissProt: Q9QZM5Rat

Unigene: 508148Human

Unigene: 205647Mouse

Unigene: 249752Mouse

Unigene: 43675Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.