

# ABI1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50953

## Product Information

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Application	WB
Primary Accession	<a href="#">Q8IZP0</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55081

## Additional Information

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Gene ID	10006
Other Names	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, ABI1, SSH3BP1
Target/Specificity	KLH conjugated synthetic peptide derived from human ABI1
Dilution	WB~~ 1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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Name	ABI1 ( <a href="#">HGNC:11320</a> )
Synonyms	SSH3BP1
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 ENAH. Recruits WASF1 to lamellipodia and there seems to regulate WASF1 protein level. In brain, seems to regulate the dendritic outgrowth and branching as well as to determine the shape and number of synaptic contacts of developing neurons.

<b>Cellular Location</b>	Cytoplasm. Nucleus. Cell projection, lamellipodium. Cell projection, filopodium. Cell projection, growth cone Postsynaptic density. Cytoplasm, cytoskeleton. Note=Localized to protruding lamellipodia and filopodia tips. Also localized to neuronal growth cones and synaptosomes. May shuttle from the postsynaptic densities to the nucleus (By similarity)
<b>Tissue Location</b>	Widely expressed, with highest expression in brain.

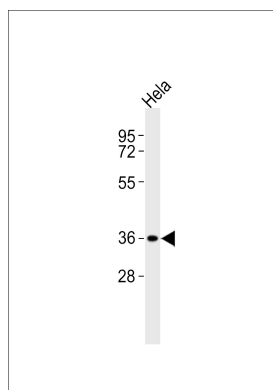
## Background

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## References

Biesova Z.,et al.Oncogene 14:233-241(1997).  
 Ziemnicka-Kotula D.,et al.J. Biol. Chem. 273:13681-13692(1998).  
 Yamamoto A.,et al.Gene 271:159-169(2001).  
 Gu Y.,et al.FEBS Lett. 540:195-200(2003).  
 Wilson L.A.,et al.Submitted (APR-1997) to the EMBL/GenBank/DDBJ databases.

## Images



Anti-ABI1 Antibody at 1:1000 dilution + HeLa whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55, 49, 52, 46, 43, 52, 36, 54 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

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