

## Rabbit ABI1 Polyclonal Antibody | anti-ABI1 antibody

ABI1 Rabbit pAb

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA281617</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

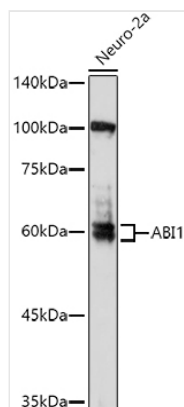
### PRODUCT SYNONYMS

ABI1; Polyclonal Antibody; ABI1 Rabbit pAb; ABI-1; ABLBP4; E3B1; NAP1BP; SSH3BP; SSH3BP1; anti-ABI1 antibody

### PRODUCT SPECIFICATIONS

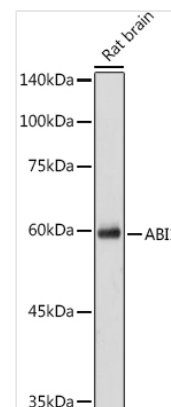
|                                                |                                                                                                                                                                     |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                              |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                   |
| Clonality                                      | Polyclonal                                                                                                                                                          |
| Isotype                                        | IgG                                                                                                                                                                 |
| Purity/Purification                            | Affinity purification                                                                                                                                               |
| Form/Format                                    | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                   |
| Sequence                                       | PMSGRGTLGR NTPYKTLEPV KPPTVPNDYM TSPARLG SQH SPGR TASLNQ R                                                                                                          |
| Applicable Applications for anti-ABI1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                       |
| Immunogen                                      | Recombinant fusion protein containing a sequence corresponding to amino acids 180-230 of human ABI1 (NP_001012770).                                                 |
| Cellular Location                              | Cell junction, Cell projection, Cytoplasm, Nucleus, cytoskeleton, filopodium, growth cone, lamellipodium, postsynaptic cell membrane, postsynaptic density, synapse |
| Positive Samples                               | Neuro-2a, Rat brain                                                                                                                                                 |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                                                                    |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts of Neuro-2a cells, using ABI1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.



#### WB (Western Blot)

Western blot analysis of extracts of Rat brain cells, using ABI1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ABI1 antibody | 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. |
| Product Categories/Family for anti-ABI1 antibody   | Signal Transduction; G protein signaling; Small G proteins; Research; Cell Biology & Developmental Biology; Growth factors; EGF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 50400546                                                                                                                                                                                                              |
| NCBI GeneID                      | 10006                                                                                                                                                                                                                 |
| UniProt Accession #              | Q8IZP0; O15147; O76049; O95060; Q5T2R3; Q5T2R4; Q5T2R6; Q5T2R7; A9Z1Y6; B3KX62; B4DQ58; H7BXI6                                                                                                                        |
| Molecular Weight                 | 53,912 Da                                                                                                                                                                                                             |
| 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; Abelson interactor 1; nap1 binding protein; abl-binding protein 4; interactor protein AblBP4; Abl-interactor protein 1 long; eps8 SH3 domain-binding protein; spectrin SH3 domain-binding protein 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/abi1-antibody-immunohistochemistry-western-blot-elisa/281617>