

# Anti-Abi1 Polyclonal Antibody

Cat: K108979P

## Summary:

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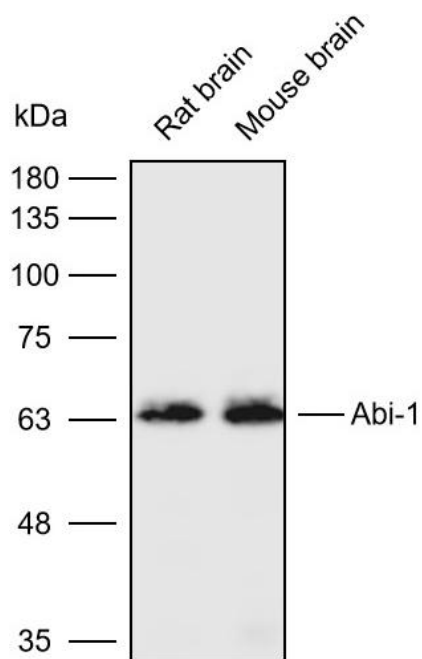
<b>【Product name】</b> : Anti-Abi1 antibody	<b>【Source】</b> : Rabbit
<b>【Isotype】</b> : IgG	<b>【Species reactivity】</b> : Human Mouse Rat
<b>【Swiss Prot】</b> : Q8IZP0	<b>【Gene ID】</b> : 10006
<b>【Calculated】</b> : MW:36/43/46/49/52/54/55kDa	<b>【Observed】</b> : MW:63kDa
<b>【Purification】</b> : Affinity purification	
<b>【Tested applications】</b> : WB	
<b>【Recommended dilution】</b> : WB 1:1000-3000.	
<b>【WB Positive sample】</b> : Rat brain,Mouse brain	
<b>【Subcellular location】</b> : Cytoplasm	
<b>【Immunogen】</b> : A synthetic peptide of Human Abi1	
<b>【Storage】</b> : Shipped at 4°C. Upon delivery aliquot and store at -20°C	

## Background:

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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.

## Verified picture



Western blot analysis with Abi1 antibody diluted at 1:2000; Lane: Rat brain, Mouse brain