

Mouse Abl2 Antibody (C-term)

Catalog_no :	AB3368
Reactivity :	M
Category :	抗原抗体
Size :	100 μ L/50 μ L
Immunogen :	HUMAN
Specificity :	This Mouse Abl2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1011-1044 amino acids from the C-terminal region of Mouse Abl2.
Dilution :	WB,1:2000;
Other_name :	Abelson tyrosine-protein kinase 2, Abelson murine leukemia viral oncogene homolog 2, Abelson-related gene protein, Tyrosine-protein kinase ARG, Abl2 {ECO:0000312 EMBL:AAAY860391, ECO:0000312 MGI:MGI:87860}
Isotype :	Rabbit Ig
Background :	Non-receptor tyrosine-protein kinase that plays an ABL1- overlapping role in key processes linked to cell growth and survival such as cytoskeleton remodeling in response to extracellular stimuli, cell motility and adhesion, receptor endocytosis, autophagy, DNA damage response and apoptosis. Coordinates actin remodeling through tyrosine phosphorylation of proteins controlling cytoskeleton dynamics like MYH10 (involved in movement); CTTN (involved in signaling); or TUBA1 and TUBB (microtubule subunits). Binds directly F-actin and regulates actin cytoskeletal structure through its F-actin-bundling activity. Involved in the regulation of cell adhesion and motility through phosphorylation of key regulators of these processes such as CRK, CRKL or DOK1. Required for adhesion-dependent phosphorylation of ARHGAP35 which promotes its association with RASA1, resulting in recruitment of ARHGAP35 to the cell periphery where it inhibits RHO. Phosphorylates multiple receptor tyrosine kinases like PDGFRB and other substrates which are involved in endocytosis regulation such as RIN1. In brain, may regulate neurotransmission by phosphorylating proteins at the synapse. Finally, functions as its own regulator through autocatalytic activity as well as through phosphorylation of its inhibitor, ABI1.
reference :	Wang Y.,et al.Proc. Natl. Acad. Sci. U.S.A. 98:14865-14870(2001). Tanis K.Q.,et al.Mol. Cell. Biol. 23:3884-3896(2003). Koleske A.J.,et al.Neuron 21:1259-1272(1998). Kain K.H.,et al.J. Biol. Chem. 276:16185-16192(2001). Woodring P.J.,et al.J. Cell Sc