Product datasheet

Anti-ABI2 Antibody

Catalog Number: *BA3031-2*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-ABI2 Antibody
Gene Name	ABI2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, ICC/IF, FCM
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human ABI2, identical to the related mouse and rat sequences.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	56-70 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-400 Flow Cytometry (Fixed): 1:50-200

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

ABI2(ABL Interactor 2), is a protein that in humans is encoded by the ABI2 gene. By analysis of a YAC and a BAC, Machado et al.(2000) mapped the ABI2 gene to 2q31-q33. ABI2 possesses a basic N terminus with homology to a homeodomain protein; a central serine-rich region; 3 PEST sequences, which are implicated in susceptibility to protein degradation; several proline-rich stretches; and an acidic C terminus with multiple phosphorylation sites and an SH3 domain. Dai and Pendergast(1995) suggested that the ABI proteins may function to coordinate the cytoplasmic and nuclear functions of the ABL1 tyrosine kinase.

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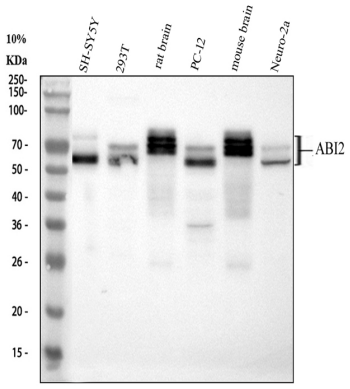
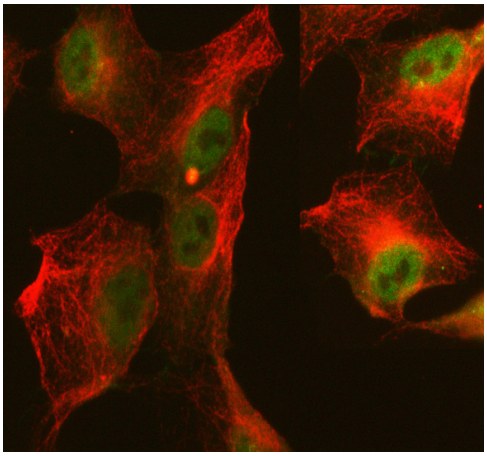
Selected Validation Data



Western blot analysis of ABI2 using anti-ABI2 antibody (BA3031-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human SH-SY5Y whole cell lysates,
Lane 2: human 293T whole cell lysates,
Lane 3: rat brain tissue lysates,
Lane 4: rat PC-12 whole cell lysates,
Lane 5: mouse brain tissue lysates,
Lane 6: mouse Neuro-2a whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-ABI2 antigA03957-Aen affinity purified polyclonal antibody (BA3031-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for ABI2 at approximately 56-70 kDa. The expected band size for ABI2 is at 56 kDa.



ICC/IF analysis of ABI2 using anti-ABI2 antibody (BA3031-2) and anti-Alpha Tubulin antibody (M03989-3).
ABI2 was detected in an immunocytochemical section of A549 cells. The section was incubated with rabbit anti-ABI2 Antibody (BA3031-2) at a dilution of 1:100. Fluoro488-conjugated Anti-rabbit IgG Secondary Antibody (green) (Catalog # BA1127) and Cy3-conjugated Anti-mouse IgG Secondary Antibody (red) (Catalog # BA1031) were used as secondary antibody.

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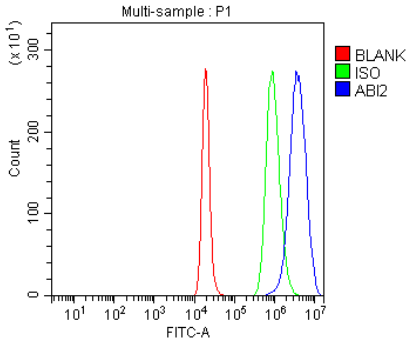

Flow Cytometry analysis of SH-SY5Y cells using anti-ABI2 antibody (BA3031-2).
Overlay histogram showing SH-SY5Y cells stained with BA3031-2 (Blue line). To facilitate intrMyelin basic protein/MBPllular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ABI2 Antibody (BA3031-2) at 1:100 dilution for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.