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anti-ABI1 antibody (C-Term)

3 Images



Publication



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Quantity:	100 μg
Target:	ABI1
Binding Specificity:	AA 483-494, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABI1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)
Product Details	

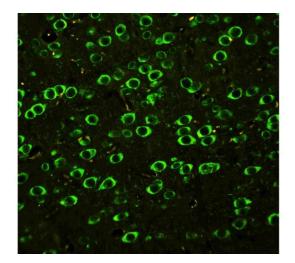
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Abl interactor 1(ABI1) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human ABI1(483-494aa WYEGVCNRVTGL), different from the related rat and mouse sequences by one amino acid.
Sequence:	WYEGVCNRVT GL
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.

Product Details Rabbit IgG polyclonal antibody for Abl interactor 1(ABI1) detection. Tested with WB, IHC-P, ICC Characteristics: in Human, Mouse, Rat. Gene Name: abl-interactor 1 Protein Name: Abl interactor 1 Purification: Immunogen affinity purified. **Target Details** ABI1 Target: Alternative Name: ABI1 (ABI1 Products) Background: ABI1 is a human homolog of mouse Abl-interactor-1(Abi1), mapped on 10p11.2. ABI1 participates in the transduction of signals from Ras to Rac by regulating Rac-specific guanine nucleotide exchange factor(GEF) activities. ABI1 dramatically promoted ABL1-mediated tyrosine phosphorylation of MENA, but not of other substrates. Abi-1 regulates c-Abl-mediated phosphorylation of Mena by interacting with both proteins. ABI1 plays a role in the leukemogenesis by translocating to MLL. Synonyms: Abelson interactor 1 antibody|ABI 1 antibody|Abi-1 antibody|ABI1 antibody|ABI1_HUMAN antibody|AbI binding protein 4 antibody|AbI interactor 1 antibody|AbI interactor protein 1 antibody|Abl interactor protein 1 long antibody|Abl-binding protein 4 antibody|AblBP4 antibody|Ablphilin 1 antibody|E3B1 antibody|Eps8 binding protein antibody|Eps8 SH3 domain binding protein antibody|Eps8 SH3 domain-binding protein antibody|Eps8-binding protein antibody|Hssh3bp1 antibody|Interactor protein AbIBP4 antibody|NAP1 antibody|Nap1 binding protein antibody|Nap1-binding protein antibody|NAP1BP antibody|Spectrin SH3 domain binding protein 1 antibody|Spectrin SH3 domain-binding protein 1 antibody|SSH3BP antibody RTK Signaling, Response to Water Deprivation, ER-Nucleus Signaling Pathways: **Application Details Application Notes:** WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.

ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human

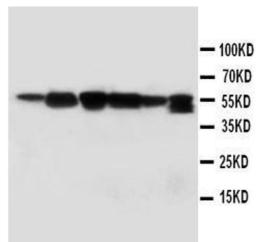
Application Details

7 Application Details		
	Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be	
	fit for the product based on sequence similarities. Other applications have not been tested.	
	Optimal dilutions should be determined by end users.	
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by	
	ABIN921231 in IHC(P) and ICC.	
Restrictions:	For Research Use only	
Handling		
Format:	Lyophilized	
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.	
Concentration:	500 μg/mL	
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg	
	Sodium azide.	
Preservative:	Thimerosal (Merthiolate), Sodium azide	
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND	
	HAZARDOUS SUBSTANCES which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.	
	It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing	
	and thawing.	
Publications		
Product cited in:	Li, Zhao, Qi, Wang, Zhang, Li, Qin: "IncRNA Ftx promotes aerobic glycolysis and tumor	
	progression through the PPARγ pathway in hepatocellular carcinoma." in: International journa	
	of oncology, Vol. 53, Issue 2, pp. 551-566, (2018) (PubMed).	



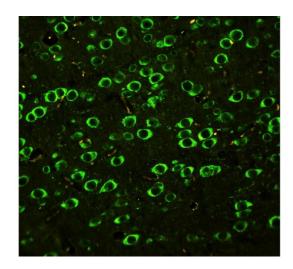
Immunohistochemistry

Image 1. Anti-ABI1 antibody, IHC(P): Rat Brain Tissue



Western Blotting

Image 2. Anti-ABI1 antibody, Western blotting Lane 1: Rat Liver Tissue Lysate Lane 2: Rat Brain Tissue Lysate Lane 3: MM231 Cell Lysate Lane 4: HELA Cell Lysate Lane 5: SMMC Cell Lysate Lane 6: JURKAT Cell Lysate



Immunofluorescence

Image 3. Anti-SSH3BP1 antibody, IHC(P) IHC(P): Rat Brain Tissue