



Anti-Abi-1 antibody ab65828

1 [References](#) **5** [图像](#)

概述

产品名称	Anti-Abi-1抗体
描述	兔多克隆抗体to Abi-1
宿主	Rabbit
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Human Abi-1 aa 483-494 (C terminal). Sequence: WYEGVCNRVTGL Database link: Q8IZP0
	 Run BLAST with  Run BLAST with

常规说明

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Lyophilized:0.2ml of distilled water will yield a concentration of 500µg/ml.
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.025% Sodium azide Constituents: 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee Abpromise™ 承诺保证使用ab65828于以下的经测试应用

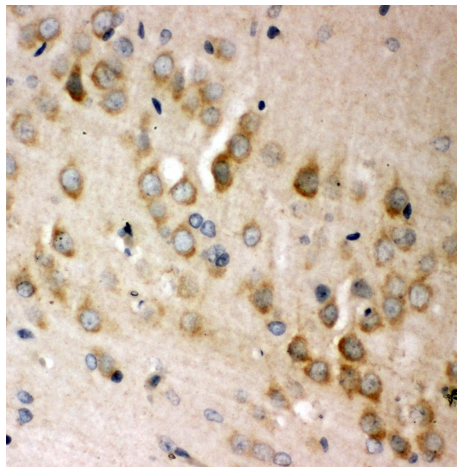
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use a concentration of 0.1 - 0.5 µg/ml. Detects a band of approximately 55 kDa (predicted molecular weight: 55 kDa).
IHC-P		Use a concentration of 0.5 - 1 µg/ml. Heat Mediated Antigen Retrieval: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 minutes is required for the staining of formalin/paraffin sections.

靶标

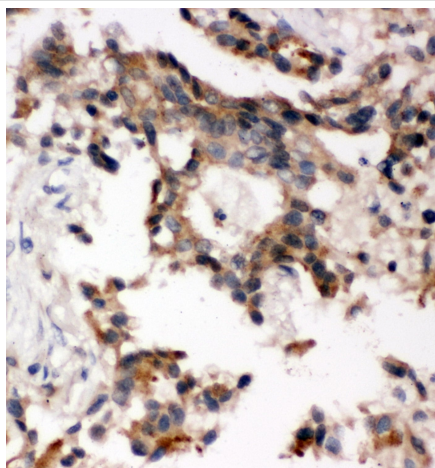
功能	May act in negative regulation of cell growth and transformation by interacting with nonreceptor tyrosine kinases ABL1 and/or ABL2. May play a role in regulation of EGF-induced Erk pathway activation. Involved in cytoskeletal reorganization and EGFR signaling. Together with EPS8 participates in transduction 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.
组织特异性	Widely expressed, with highest expression in brain.
疾病相关	Note=A chromosomal aberration involving ABI1 is a cause of acute leukemias. Translocation t(10;11)(p11.2;q23) with MLL. ABI1 isoform 2 was found to be present in acute leukemia MLL-ABI1 fusion transcript.
序列相似性	Belongs to the ABI family. Contains 1 SH3 domain. Contains 1 t-SNARE coiled-coil homology domain.
结构域	The t-SNARE coiled-coil homology domain is necessary and sufficient for interaction with STX1A.
翻译后修饰	In vitro substrate for v-Abl (By similarity). Phosphorylated on tyrosine residues after serum stimulation or induction by v-Abl.
细胞定位	Cytoplasm. Nucleus. Cell projection > lamellipodium. Cell projection > filopodium. Cell projection > growth cone. Cell junction > synapse > synaptosome. Cytoplasm > cytoskeleton. Localized to protruding lamellipodia and filopodia tips. Also localized to neuronal growth cones and synaptosomes.

图片



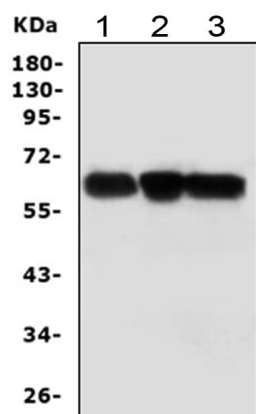
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Abi-1 antibody (ab65828)

Abi 1 was detected in paraffin-embedded section of rat brain tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml ab65828 overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex with DAB as the chromogen.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Abi-1 antibody (ab65828)

Abi 1 was detected in paraffin-embedded section of human lung cancer tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml ab65828 overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex with DAB as the chromogen.



Western blot - Anti-Abi-1 antibody (ab65828)

All lanes : Anti-Abi-1 antibody (ab65828) at 0.5 µg/ml

Lane 1 : rat brain tissue lysates

Lane 2 : mouse brain tissue lysates

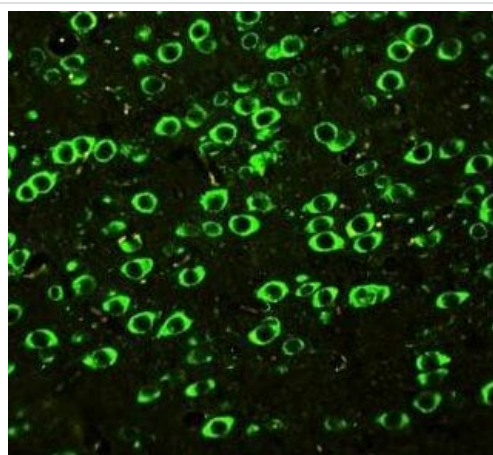
Lane 3 : human THP-1 whole cell lysates

Lysates/proteins at 50 µg per lane.

Secondary

All lanes : goat anti-rabbit IgG-HRP at 1/10000 dilution

Predicted band size: 55 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Abi-1 antibody (ab65828)

Immunohistochemical analysis of rat brain tissue labeling Abi-1 with ab65828 at 0.5 µg/mL.



Anti-Abi-1 antibody (ab65828) at 2 µg/ml + Rat brain lysate

Predicted band size: 55 kDa

Observed band size: 55 kDa

Additional bands at: 55 kDa. We are unsure as to the identity of these extra bands.

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