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Datasheet for ABIN488102
anti-BAIAP2L1 antibody (AA 1-226)

2 Images

Overview

Quantity:	0.1 mL
Target:	BAIAP2L1
Binding Specificity:	AA 1-226
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAIAP2L1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 226 of BAIAP2L1 Genename: BAIAP2L1
Specificity:	Recognizes BAIAP2L1.
Cross-Reactivity (Details):	Species reactivity (expected):Mouse (94 %) and Rat (94 %). Species reactivity (tested):Human.
Purification:	Antigen-Affinity Chromatography

Target Details

Target:	BAIAP2L1
Alternative Name:	BAIAP2L1 (BAIAP2L1 Products)

Target Details

Background: This gene encodes a member of the IMD (IRSp53/MIM homology domain) family. Members of this family can be subdivided in two groups, the IRSp53-like and MIM-like, based on the presence or absence of the SH3 (Src homology 3) domain. The protein encoded by this gene contains a conserved IMD, also known as F-actin bundling domain, at the N-terminus, and a canonical SH3 domain near the C-terminus, so it belongs to the IRSp53-like group. This protein is the substrate for insulin receptor tyrosine kinase and binds to the small GTPase Rac. It is involved in signal transduction pathways that link deformation of the plasma membrane and remodeling of the actin cytoskeleton. It also promotes actin assembly and membrane protrusions when overexpressed in mammalian cells, and is essential to the formation of a potent actin assembly complex during EHEC (Enterohemorrhagic Escherichia coli) pedestal formation. [provided by RefSeq].Synonyms: BAI1-associated protein 2-like 1, Brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 1, IRTKS, Insulin receptor tyrosine kinase substrate

Gene ID: 55971, 9606

UniProt: [Q9UHR4](#)

Pathways: [Regulation of Actin Filament Polymerization](#)

Application Details

Application Notes: Western blot: 1/500-1/3000. Positive Controls: 293T, A431, HeLa, HepG2. Immunofluorescence: 1/100-1/200.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.55 mg/mL

Buffer: 0.1 M Tris, 0.1 M Glycine, 10 % Glycerol (pH 7), 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains thimerosal (merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Handling

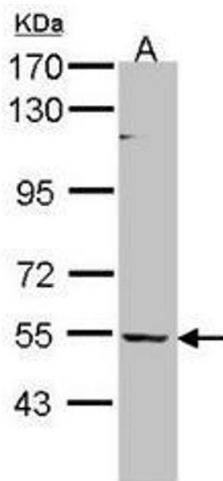
Storage: -20 °C

Storage Comment: Store the antibody undiluted (in aliquots) at -20 °C.

Images



Costained with Hoechst 33342



Immunofluorescence

Image 1. Figure 1. Immunofluorescence analysis of methanol-fixed A431, using BAIAP2L1 antibody (at 1/200 dilution).

Western Blotting

Image 2. Figure 2. Western Blot using BAIAP2L1 antibody (at 1/1000 dilution): Sample(30 µg whole cell lysate) A: HeLa 7.5% SDS PAGE.