

IRTKS Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP04652
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human BAIAP2L1. AA range:111-160
Mol wt	56883
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	IRTKS Antibody
Synonyms	BAIAP2L1; IRTKS; Brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 1; BAI1-associated protein 2-like protein 1; Insulin receptor tyrosine kinase substrate

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

BAIAP2L1 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. Brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 1 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.

Recommended Dilution

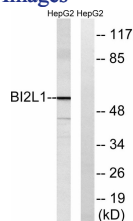
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

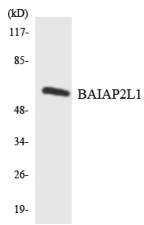
ELISA: 1: 5000

Not yet tested in other applications.

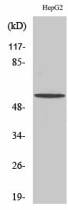
Images



Western blot analysis of lysates from HepG2 cells, using BAIAP2L1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using BAIAP2L1 antibody.



Western Blot analysis of various cells using IRTKS Polyclonal Antibody diluted at 1:2000

Storage

-20°C for one year

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