

Product Name: IRTKS Rabbit Polyclonal Antibody**Catalog #: APRab12762**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
Molecular Weight	57kDa

Antigen Information

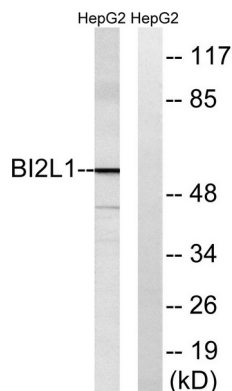
Gene Name	BAIAP2L1
Alternative Names	BAIAP2L1; IRTKS; Brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 1; BAI1-associated protein 2-like protein 1; Insulin receptor tyrosine kinase substrate
Gene ID	55971.0
SwissProt ID	Q9UHR4
Immunogen	The antiserum was produced against synthesized peptide derived from human BAIAP2L1. AA range:111-160

Background

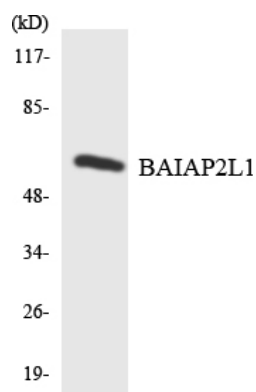
This gene encodes a member of the IMD (IRSp53/MIM homology domain) family. Members of this family can be subdivided in two groups, the IRSp53-like and MIM-like, based on the presence or absence of the SH3 (Src homology 3) domain. The protein encoded by this gene contains a conserved IMD, also known as 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. The IMD domain is predicted to have a helical structure. It may induce actin bundling and filopodia formation. **function:** May function as adapter protein (Potential). Involved in the formation of clusters of actin bundles. **PTM:** Phosphorylated on tyrosine in response to insulin. **similarity:** Contains 1 IMD (IRSp53/MIM homology) domain. **similarity:** Contains 1 SH3 domain. **subunit:** Interacts with RAC1. Binds to F-actin.

Research Area

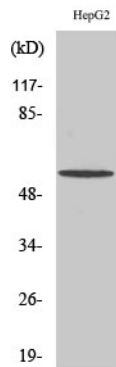
Image Data



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