

## Summary

<b>Production Name</b>	IRTKS Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	BAIAP2L1
<b>Alternative Names</b>	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
<b>Gene ID</b>	55971.0
<b>SwissProt ID</b>	Q9UHR4.The antiserum was produced against synthesized peptide derived from human BAIAP2L1. AA range:111-160

## Application

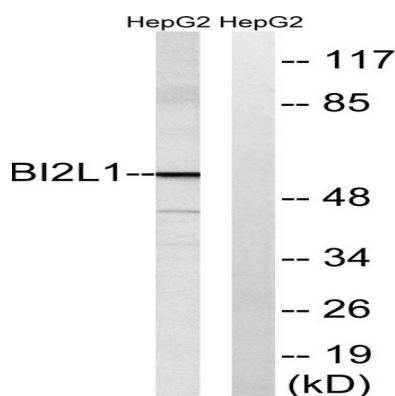
<b>Dilution Ratio</b>	WB 1:500 - 1:2000. ELISA: 1:5000..
<b>Molecular Weight</b>	57kD

## 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.

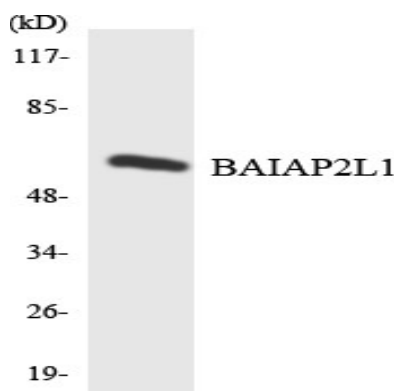
## Research Area

## Image Data

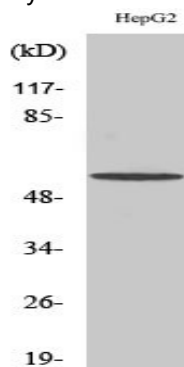


Western blot analysis of lysates from HepG2 cells, using BAIAP2L1 Antibody. The lane on the right is blocked with the synthesized peptide.

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



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

## **Note**

For research use only.