



# IRTKS Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-03936
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	BAIAP2L1
<b>Protein Name</b>	Brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human BAIAP2L1. AA range:111-160
<b>Specificity</b>	IRTKS Monoclonal Antibody detects endogenous levels of IRTKS protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</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>Observed Band</b>	57kD
<b>Cell Pathway</b>	Cytoplasm, cytoskeleton . Recruited to actin pedestals that are formed upon infection by bacteria at bacterial attachment sites.
<b>Tissue Specificity</b>	Adrenal gland,Epithelium,Lung,Placenta,
<b>Function</b>	domain: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.,
<b>Background</b>	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 IRTKSp53-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.

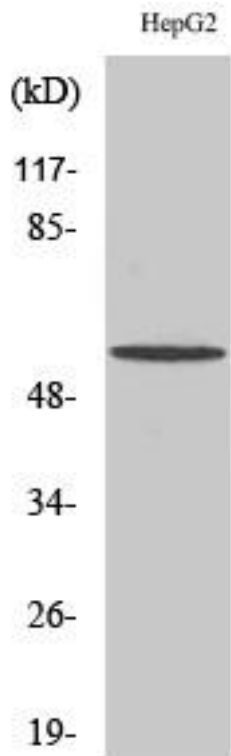
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using IRTKS Monoclonal Antibody