



# IRTKS Monoclonal Antibody

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

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## 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 fo

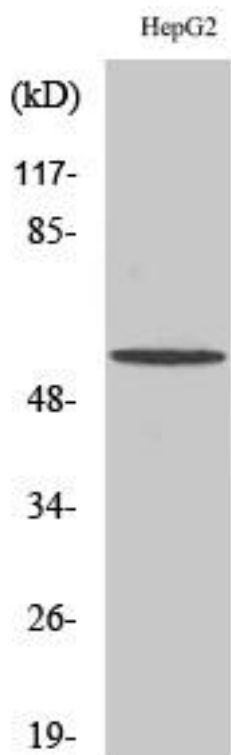
## matters needing attention

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