



IRTKS Polyclonal Antibody

Catalog No	YP-Ab-03936
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	BAIAP2L1
Immunogen	The antiserum was produced against synthesized peptide derived from human BAIAP2L1. AA range:111-160
Specificity	IRTKS Polyclonal Antibody detects endogenous levels of IRTKS protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
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
Calculated Molecular Weight	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.,

**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

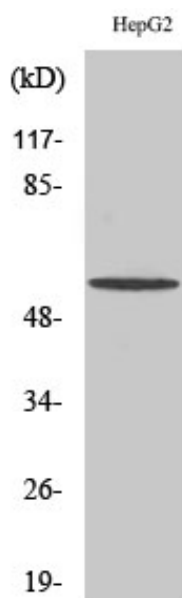
Avoid repeated freezing and thawing!

Usage suggestions

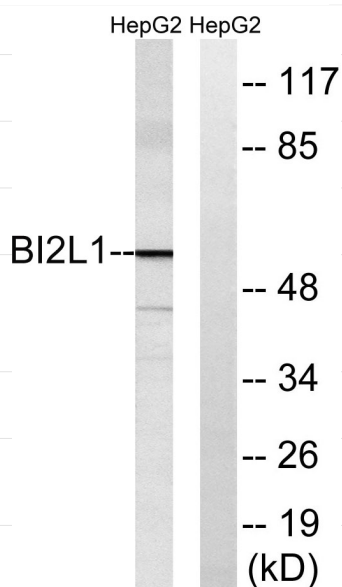
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



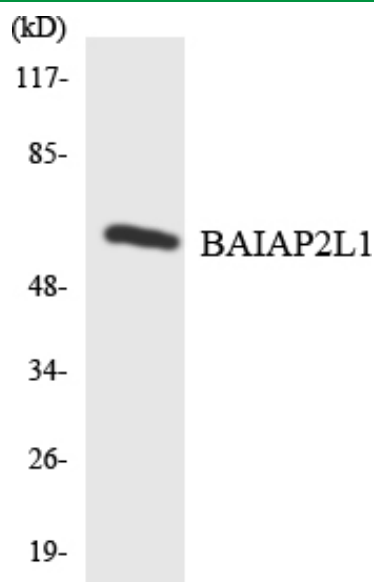
Products Images



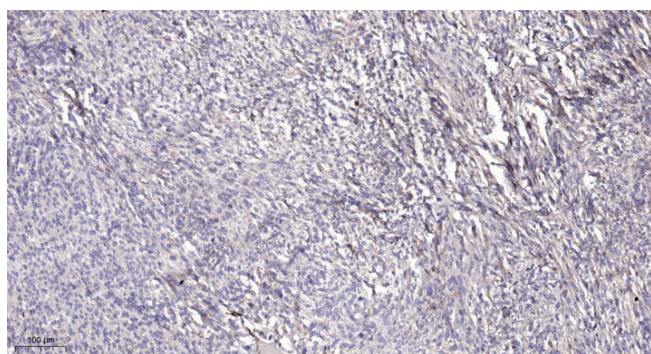
Western Blot analysis of various cells using IRTKS Polyclonal Antibody diluted at 1:2000



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.



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 45min).