



BART1 Monoclonal Antibody

Catalog No	YP-mAb-16143
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ARL2BP
Immunogen	The antiserum was produced against synthesized peptide derived from human ARL2BP. AA range:101-150
Specificity	BART1 Monoclonal Antibody detects endogenous levels of BART1 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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ADP ribosylation factor like 2 binding protein;ADP-ribosylation factor-like protein 2-binding protein;AR2BP_HUMAN;Arf like 2 binding protein BART1;ARF-like 2-binding protein;ARL2 binding protein;Arl2bp;ARL2BP protein;BART;BART1; Binder of ARF2 protein 1;Binder of Arl Two;Binder of Arl2;Retinitis pigmentosa 66 (autosomal recessive);RP66
Observed Band	25kD
Calculated Molecular Weight	25kD
Cell Pathway	Cytoplasm. Mitochondrion intermembrane space. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Nucleus. Cytoplasm, cytoskeleton, spindle. Cytoplasm, cytoskeleton, cilium basal body. The complex formed with ARL2BP, ARL2 and SLC25A4 is expressed in mitochondria (By similarity). Detected in the midbody matrix. Not detected in the Golgi, nucleus and on the mitotic spindle. Centrosome-associated throughout the cell cycle. Not detected to interphase microtubules. In retina photoreceptor cells, localized in the distal connecting cilia, basal body, ciliary-associated centriole, and ciliary rootlet. Interaction with ARL2 may be required for cilia basal body localization. .
Tissue Specificity	Expressed in retina pigment epithelial cells (at protein level). Widely expressed.



Function

function:May play a role as an effector of the ADP-ribosylation factor-like protein 2, ARL2.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR., similarity:Belongs to the ARL2BP family.,subunit:Interacts with GTP bound ARL2 and ARL3; the complex ARL2-ARL2BP as well as ARL2BP alone, binds to ANT1.,tissue specificity:Ubiquitous.,

Background

ADP-ribosylation factor (ARF)-like proteins (ARLs) comprise a functionally distinct group of the ARF family of RAS-related GTPases. The protein encoded by this gene binds to ARL2.GTP with high affinity but does not interact with ARL2.GDP, activated ARF, or RHO proteins. The lack of detectable membrane association of this protein or ARL2 upon activation of ARL2 is suggestive of actions distinct from those of the ARFs. This protein is considered to be the first ARL2-specific effector identified, due to its interaction with ARL2.GTP but lack of ARL2 GTPase-activating protein activity. [provided by RefSeq, Jul 2008],

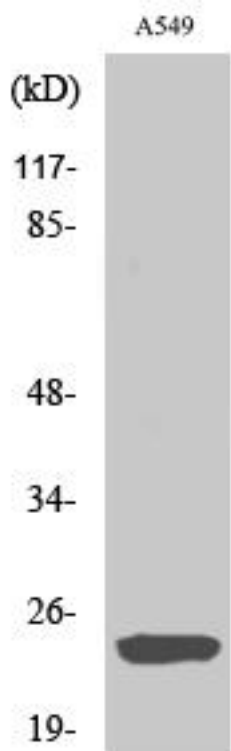
matters needing attention

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 BART1 Monoclonal Antibody