



ARF6 Monoclonal Antibody

Catalog No	YP-mAb-16129
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ARF6
Immunogen	Synthesized peptide derived from ARF6 . at AA range: 30-110
Specificity	ARF6 Monoclonal Antibody detects endogenous levels of ARF6 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	ARF6;ADP ribosylation factor 6;ADP-ribosylation factor 6;EC:3.6.5.2
Observed Band	20kD
Calculated Molecular Weight	20kD
Cell Pathway	Cytoplasm, cytosol . Cell membrane ; Lipid-anchor . Endosome membrane ; Lipid-anchor . Recycling endosome membrane ; Lipid-anchor . Cell projection, filopodium membrane ; Lipid-anchor . Cell projection, ruffle . Cleavage furrow . Midbody, Midbody ring . Early endosome membrane ; Lipid-anchor . Golgi apparatus, trans-Golgi network membrane ; Lipid-anchor . Distributed uniformly on the plasma membrane, as well as throughout the cytoplasm during metaphase. Subsequently concentrated at patches in the equatorial region at the onset of cytokinesis, and becomes distributed in the equatorial region concurrent with cleavage furrow ingression. In late stages of cytokinesis, concentrates at the midbody ring/Flemming body (PubMed:23603394). Recruitment to the midbody ring requires both activation by P
Tissue Specificity	Ubiquitous, with higher levels in heart, substantia nigra, and kidney.
Function	function:GTP-binding protein that functions as an allosteric activator of the cholera toxin catalytic subunit, an ADP-ribosyltransferase. Involved in protein trafficking; may modulate vesicle budding and uncoating within the Golgi



apparatus.,similarity:Belongs to the small GTPase superfamily.,
similarity:Belongs to the small GTPase superfamily. Arf family.,subunit:Interacts
with ARHGAP21, ASAP2, HERC1, PIP5K1C and UACA.,

Background

ADP ribosylation factor 6(ARF6) Homo sapiens This gene encodes a member of the human ARF gene family, which is part of the RAS superfamily. The ARF genes encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking and as activators of phospholipase D. The product of this gene is localized to the plasma membrane, and regulates vesicular trafficking, remodelling of membrane lipids, and signaling pathways that lead to actin remodeling. A pseudogene of this gene is located on chromosome 7. [provided by RefSeq, Jul 2008],

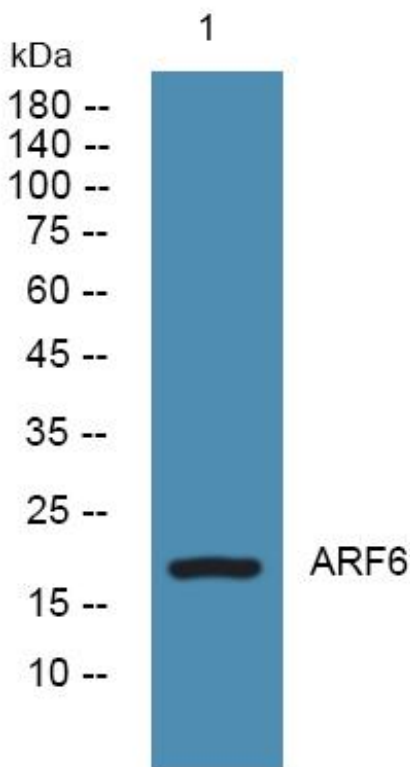
matters needing attention

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 ARF6 Monoclonal Antibody