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Datasheet for ABIN4996821

**anti-ARL4A antibody (AA 21-120) (Alexa Fluor 680)**

## Overview

Quantity:	100 µL
Target:	ARL4A
Binding Specificity:	AA 21-120
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARL4A antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ARL4
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Cow, Horse, Chicken
Purification:	Purified by Protein A.

## Target Details

Target:	ARL4A
Alternative Name:	ARL4 ( <a href="#">ARL4A Products</a> )
Background:	Synonyms: ADP ribosylation factor like 4A, ADP-ribosylation factor-like protein 4A, ARL 4,

## Target Details

ARL4A, ARL4A\_HUMAN.

Background: ADP-ribosylation factors (ARFs) are highly conserved guanine nucleotide-binding proteins that enhance the ADP-ribosyltransferase activity of cholera toxin. ARF\_ are important in eukaryotic vesicular trafficking pathways and activating phospholipase D. ARL4 (ADP-ribosylation factor-like protein 4A) is a member of the ARF-like protein (ARL) subfamily of small GTPases. It contains a C terminal nuclear localization signal (NLS) region that interacts with Importin- $\beta$ . ARL4 localizes to the nucleus and is found in a variety of tissues, but is predominantly expressed in spermatogonia and Sertoli cells. It is most closely related to ARL6 and ARL7. Unlike ARFs, ARL4 does not activate the cholera toxin ADP-ribosyltransferase. ARL4 may play a role in neurogenesis during embryonic development and somitogenesis in the early stages of adult spermatogenesis.

Gene ID: 10124

Pathways: [Brown Fat Cell Differentiation](#)

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1  $\mu$ g/ $\mu$ L

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months