For Research Use Only

# ALMS1 Polyclonal antibody

Catalog Number:27231-1-AP

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## Basic Information

Catalog Number:
27231-1-AP

Size:
500 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG26100

GenBank Accession Number:
NM_015120

GeneID (NCBI):
7840

UNIPROT ID:
Q8TCU4

Full Name:
Alstrom syndrome 1

Calculated MW:
461 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF/ICC 1:50-1:500

## Applications

Tested Applications:
IF/ICC, ELISA

Species Specificity:
human

Positive Controls:

IF/ICC : HeLa cells,

## Background Information

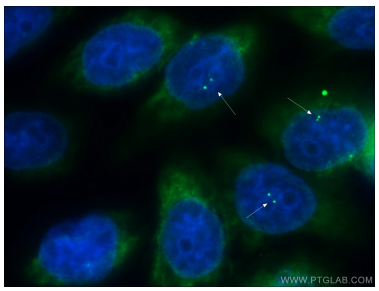
ALMS1 (Alstrom syndrome protein 1) is also KIAA0328. ALMS1 encodes a ~ 0.5 megadalton protein that localises to the base of centrioles. Some studies have suggested a role for this protein in maintaining centriole-nucleated sensory organelles termed primary cilia, and AS is now considered to belong to the growing class of human genetic disorders linked to ciliary dysfunction (ciliopathies). The ALMS1 protein is a component of the centrosome (PMID:30421101). ALMS1 is involved in PCM1-dependent intracellular transport. ALMS1 is required, directly or indirectly, for the localization of NCAPD2 to the proximal ends of centrioles. It is required for proper formation and/or maintenance of primary cilia (PC), microtubule-based structures that protrude from the surface of epithelial cells.

## Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

## Selected Validation Data




Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 27231-1-AP (ALMS1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).