

For Research Use Only

ALMS1 Polyclonal antibody

Catalog Number: 27231-1-AP



Basic Information

Catalog Number:

27231-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 347 ug/ml by Bradford method using BSA as the standard;

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

*** 20ul sizes contain 0.1% BSA

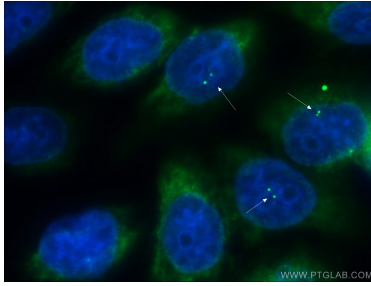
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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 Goat Anti-Rabbit IgG(H+L).