abcam

Product datasheet

Anti-ALMS1 antibody ab84892

4 References 1 Image

Overview

Product name	Anti-ALMS1 antibody
Description	Rabbit polyclonal to ALMS1
Host species	Rabbit
Tested applications	**Suitable for:** ICC/IF
Species reactivity	**Reacts with:** Human **Predicted to work with:** Chimpanzee, Gorilla, Orangutan
Immunogen	Synthetic peptide corresponding to a region within amino acids 1200-1250 of human ALMS1 (EAW99731.1).
Positive control	HeLa Cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	ab84892 was affinity purified using an epitope specific to ALMS1 immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab84892** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		

Application notes	ICC/IF: 1/100 - 1/500. Formaldehyde fixation and permeabilization with Triton-X 100 is

recommended.

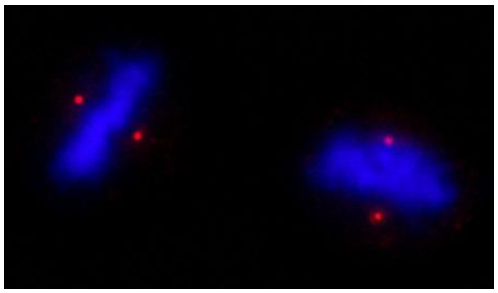
Acetone fixation is not recommended.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Target

Function	Possible role in intracellular trafficking.
Tissue specificity	Expressed in all tissues tested including adipose and pancreas. Expressed by beta-cells of the islets in the pancreas (at protein level).
Involvement in disease	Defects in ALMS1 are the cause of Alstrom syndrome (ALMS) [MIM:203800]. Alstrom syndrome is a rare autosomal recessive disorder characterized by progressive cone-rod retinal dystrophy, neurosensory hearing loss, early childhood obesity and type 2 diabetes mellitus. Dilated cardiomyopathy, acanthosis nigricans, male hypogonadism, hypothyroidism, developmental delay and hepatic dysfunction can also be associated with the syndrome.
Developmental stage	Widely expressed in fetal tissues. Detected in fetal pancreas, skeletal muscle, liver, kidney and brain (at protein level). Expressed in fetal aorta and brain.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Cytoplasm. Cytoplasm > cytoskeleton > centrosome. Cytoplasm > cytoskeleton > cilium basal body. Cytoplasm > cytoskeleton > spindle pole. Associated with centrosomes and basal body at the base of primary cilia. During mitosis localizes to both spindle poles.

Images



Immunocytochemistry/ Immunofluorescence - Anti-ALMS1 antibody (ab84892)

ab84892, at a 1/250 dilution, staining ALMS1 in NBF fixed asynchronous HeLa cells by Immunocytochemistry.
Detection by Red fluorescent goat anti-rabbit IgG highly cross adsorbed antibody used at a dilution of 1/100.

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