Product Name: ALMS1 Rabbit Polyclonal Antibody
Catalog #: APRab06789
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight	460kDa

Antigen Information

Gene Name	ALMS1
Alternative Names	ALMS1; KIAA0328; Alstrom syndrome protein 1
Gene ID	7840.0
SwissProt ID	Q8TCU4
Immunogen	Synthesized peptide derived from ALMS1 . at AA range: 1530-1610

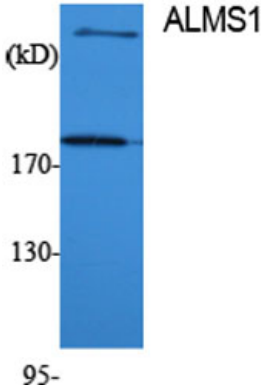
Background

This gene encodes a protein containing a large tandem-repeat domain as well as additional low complexity regions. The encoded protein functions in microtubule organization, particularly in the formation and maintanance of cilia. Mutations in this

gene cause Alstrom syndrome. There is a pseudogene for this gene located adjacent in the same region of chromosome 2. Alternative splice variants have been described but their full length nature has not been determined. [provided by RefSeq, Apr 2014],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.,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.,function:Possible role in intracellular trafficking.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,subcellular location:Associated with centrosomes and basal body at the base of primary cilia. During mitosis localizes to both spindle poles.,tissue specificity:Expressed in all tissues tested including adipose and pancreas. Expressed by beta-cells of the islets in the pancreas (at protein level).,

Research Area

Image Data



Western Blot analysis of various cells using ALMS1 Polyclonal Antibody