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Datasheet for ABIN1697524

anti-AIPL1 antibody (AA 165-260) (Alexa Fluor 555)

Overview

Quantity:	100 µL
Target:	AIPL1
Binding Specificity:	AA 165-260
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AIPL1 antibody is conjugated to Alexa Fluor 555
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human AIPL1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	AIPL1
Alternative Name:	AIPL1 (AIPL1 Products)
Background:	Synonyms: A930007I01Rik, Aipl1, AIPL1_HUMAN, AIPL2, Aryl hydrocarbon interacting protein

Target Details

like 1, Aryl hydrocarbon receptor interacting protein like 1, Aryl-hydrocarbon-interacting protein-like 1, LCA4, MGC25485, OTTHUMP00000128207, OTTMUSP00000006382, RP23-401C17.1.

Background: The inherited blindness associated protein, aryl hydrocarbon receptor interacting protein-like 1 (AIPL1), interacts with the cell cycle regulator protein NUB1. AIPL1 is crucial for protein folding and stabilization, as well as for protein trafficking. It localizes to the nucleus or cytoplasm and is highly expressed in the pineal gland and the retina. In the retina, AIPL1 is expressed in both developing cone and rod photoreceptors, but it is restricted to rod photoreceptors in the adult human retina. Defects in the gene encoding for AIPL1 can cause Leber congenital amaurosis type IV, an early-onset, inherited autosomal recessive disorder that results in childhood blindness.

Gene ID: 23746

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 µg/µL

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