Mouse AIPL1 Monoclonal Antibody | anti-AIPL1 antibody

AIPL1 antibody

CATALOG #	HOST	APPLICATIONS
AAA74788	**Mouse**	**Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

AIPL1; Monoclonal Antibody; AIPL1 antibody; Monoclonal AIPL1; Anti-AIPL1; Aryl hydrocarbon receptor interacting protein-like 1; LCA4; AIPL2; AIPL 1; AIPL-1; anti-AIPL1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3B4
Purity/Purification	AIPL1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	384
Applicable Applications for anti-AIPL1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	Leber congenital amaurosis (LCA) accounts for at least 5% of all inherited retinal disease and is the most severe inherited retinopathy with the earliest age of onset. Individuals affected with LCA are identified at birth or in the first few months of life with severely impaired vision or blindness, nystagmus and an abnormal or flat electroretinogram. The photoreceptor/pineal -expressed gene, AIPL1, encoding aryl-hydrocarbon interacting protein-like 1, was mapped within the LCA4 candidate region. The protein contains three tetratricopeptide motifs, consistent with nuclear transport or chaperone activity. AIPL1 mutations may cause approximately 20% of recessive LCA.
Cross-Reactivity	Human
Immunogen	AIPL1 antibody was raised in mouse using a full length recombinant protein of human AIPL1 (NP_055151) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant AIPL1 protein using AIPL1 antibody

IHC (Immunohiostchemistry)
Immunohistochemical analysis of AIPL1 protein in paraffin embedded Carcinoma of Human thyroid tissue using AIPL1 antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant AIPL1 protein (Right) or empty vector (Left) detected with AIPL1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-AIPL1 antibody	Mouse monoclonal AIPL1 antibody
Product Categories/Family for anti-AIPL1 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	74272276
NCBI GeneID	23746
NCBI Accession #	NP_055151
NCBI GenBank Nucleotide #	NM_014336.3
UniProt Accession #	Q9NZN9; Q659W3; Q659W4; Q6ZZB6; Q8N6A0; Q9H873; Q9NS10; D3DTM4
Molecular Weight	40,901 Da
NCBI Official Full Name	aryl-hydrocarbon-interacting protein-like 1 isoform 1
NCBI Official Synonym Full Names	aryl hydrocarbon receptor interacting protein-like 1
NCBI Official Symbol	AIPL1
NCBI Official Synonym Symbols	LCA4; AIPL2
NCBI Protein Information	aryl-hydrocarbon-interacting protein-like 1
UniProt Protein Name	Aryl-hydrocarbon-interacting protein-like 1
UniProt Gene Name	**AIPL1**
UniProt Synonym Gene Names	AIPL2
UniProt Entry Name	AIPL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/aipl1-antibody-clone-3b4-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/74788