

Rabbit anti-Human, Mouse AIPL1 Polyclonal Antibody | anti-AIPL1 antibody

AIPL1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA280164	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

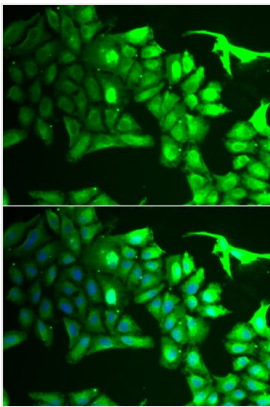
PRODUCT SYNONYMS

AIPL1; Polyclonal Antibody; AIPL1 Polyclonal Antibody; LCA4; AIPL2; anti-AIPL1 antibody

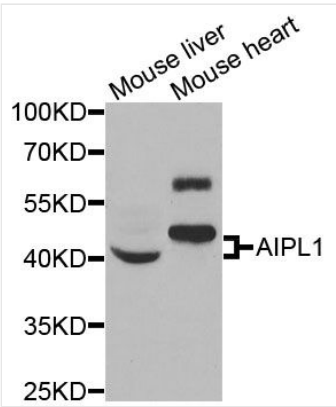
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	384
Applicable Applications for anti-AIPL1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human AIPL1
Calculated Molecular Weight	43kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells using AIPL1 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using AIPL1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-AIPL1 antibody	Leber congenital amaurosis (LCA) is the most severe inherited retinopathy with the earliest age of onset and accounts for at least 5% of all inherited retinal diseases. Affected individuals are identified at birth or in the first few months of life with nystagmus, severely impaired vision or blindness and an abnormal or flat electroretinogram. The photoreceptor/pineal-expressed gene, AIPL1, encoding aryl-hydrocarbon interacting protein-like 1, is located within the LCA4 candidate region. The encoded protein contains three tetratricopeptide motifs, consistent with chaperone or nuclear transport activity. Mutations in this gene may cause approximately 20% of recessive LCA. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-AIPL1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	23503042
NCBI GeneID	23746
UniProt Accession #	Q9NZN9; Q659W3; Q659W4; Q6ZZB6; Q8N6A0; Q9H873; Q9NS10; D3DTM4
Molecular Weight	384
NCBI Official Full Name	Aryl-hydrocarbon-interacting protein-like 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.

