Rabbit Aipl1 Polyclonal Antibody | anti-AIPL1 antibody

Aipl1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40007	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

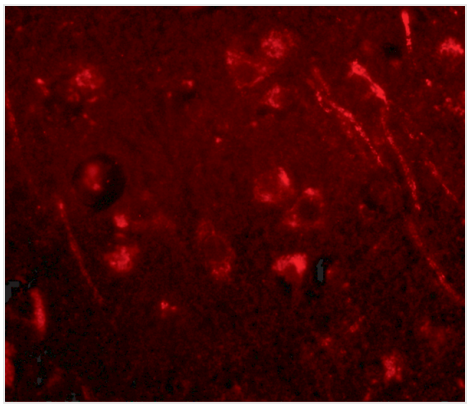
PRODUCT SYNONYMS

Aipl1; Polyclonal Antibody; Aipl1 Antibody; LCA4; AIPL2; Aryl-hydrocarbon-interacting protein-like 1; aryl hydrocarbon receptor interacting protein-like 1; anti-AIPL1 antibody

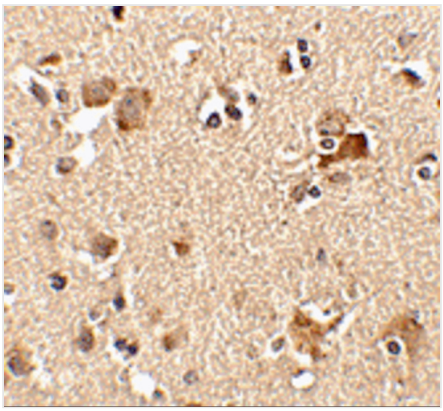
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Aipl1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	384
Applicable Applications for anti-AIPL1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Aipl1 antibody was raised against a 18 amino acid synthetic peptide near the center of the human Aipl1.
Buffer	Aipl1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Aipl1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

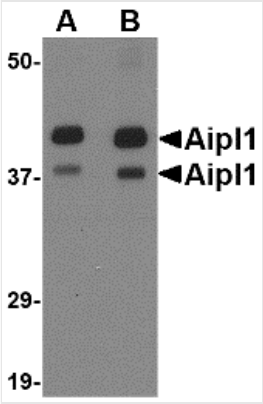
IMAGES



IF (Immunofluorescence)
Immunofluorescence of aipl1 in human brain tissue with aipl1 antibody at 20 μg/mL.



IHC (Immunohiostchemistry)
Immunohistochemistry of Aipl1 in human brain tissue with Aipl1 antibody at 2.5 μg/mL.



WB (Western Blot)
Western blot analysis of Aipl1 in rat brain tissue lysate with Aipl1 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-AIPL1 antibody	Aipl1 Antibody: Aipl1 was initially identified as a protein implicated in Leber congenital amaurosis (LCA), an autosomal recessive disorder thought to be caused by the abnormal development of photoreceptors. Aipl1 is a tetratricopeptide repeat protein that is highly homologous to ARA9, a protein involved in the HSP90-mediated nuclear translocation and transactivation of the aryl hydrocarbon receptor. Aipl1 has also been found to function as part of a chaperone heterocomplex, interacting with Hsp90 and Hsp70. Aipl1 also associates with the cell cycle regulator NUB1. It is thought that Aipl1 cooperates with Hsp70 but not Hsp90 to suppress the formation of NUB1 inclusions, and these interactions are necessary in the normal photoreceptor maturation, as mutations that lead to LCA also compromise the interactions with the Hsp chaperones. At least three isoforms of Aipl1 are known to exist.

NCBI AND UNIPROT INFORMATION

NCBI GI #	74272276
NCBI GeneID	23746
NCBI Accession #	NP_055151
NCBI GenBank Nucleotide #	NM_014336.4
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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