BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Aipl1 Antibody

Catalog Number: A05356-1

About AIPL1

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.

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Overview

Product Name	Anti-Aipl1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Aipl1 Antibody (Catalog # A05356-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Aipl1 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	Aipl1 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9NZN9

Technical Details

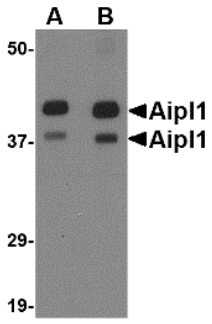
Immunogen	Aipl1 antibody was raised against a 18 amino acid synthetic peptide near the center of the human Aipl1. The immunogen is located within amino acids 140 - 190 of Aipl1.

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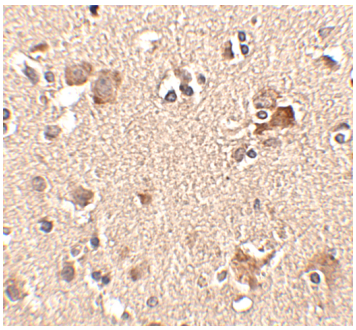
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Aipl1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Aipl1 antibody can be used for detection of Aipl1 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in rat samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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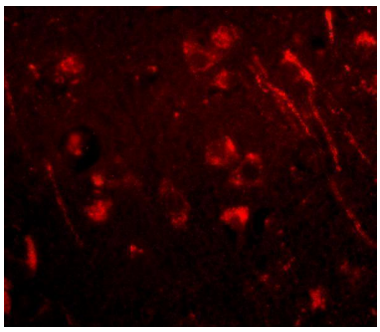
Anti-Aipl1 Antibody (A05356-1) Images



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



Immunohistochemistry of Aipl1 in human brain tissue with Aipl1 antibody at 2.5 ug/mL.



Immunofluorescence of aipl1 in human brain tissue with aipl1 antibody at 20 ug/mL.

Anti-Aipl1 Antibody

For Research Use Only. Not for use in diagnostic procedures.