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Datasheet for ABIN499251
anti-AIPL1 antibody (Center)

2 Images

Overview

Quantity:	0.1 mg
Target:	AIPL1
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AIPL1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Aipl1 antibody was raised against a 18 amino acid peptide near the center of the human Aipl1.
Isotype:	IgG
Specificity:	This antibody reacts to AIPL1.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	AIPL1
Alternative Name:	AIPL1 (AIPL1 Products)
Background:	Aipl1 was initially identified as a protein implicated in Leber congenital amaurosis (LCA), an

Target Details

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. Synonyms: Aryl hydrocarbon-interacting protein-like 1

Gene ID: 23746

NCBI Accession: [NP_055151](#)

UniProt: [Q9NZN9](#)

Application Details

Application Notes: ELISA. Western Blot: Aipl1 antibody can be used for detection of Aipl1 at 1 - 2 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

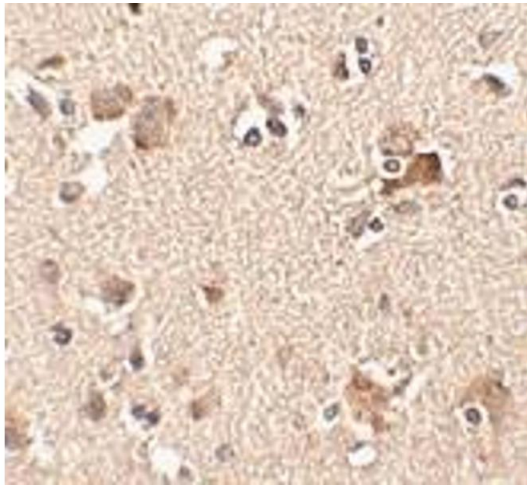
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

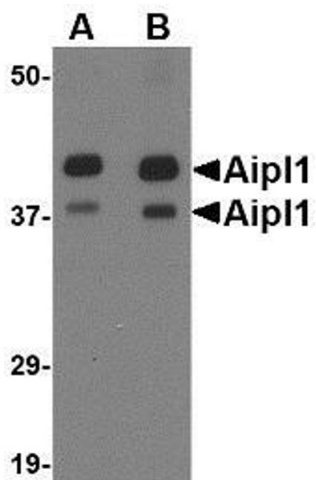
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of Aipl1 in human brain tissue with Aipl1 antibody at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of Aipl1 in rat brain tissue lysate with AP30037PU-N Aipl1 antibody at (A) 1 and (B) 2 µg/ml.