Aipl1 Antibody

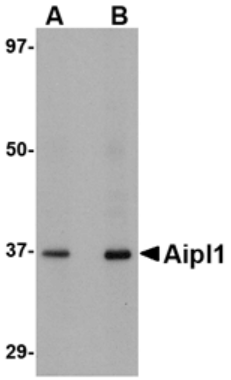
Catalog No: #24776

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

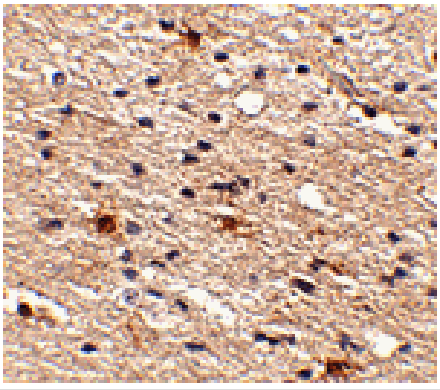
Description

Product Name	Aipl1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the carboxy terminus of the human Aipl1.
Target Name	Aipl1
Other Names	Aryl hydrocarbon receptor interacting protein-like 1, LCA4
Accession No.	Swiss-Prot:Q9NZN9Gene ID:23746
Uniprot	Q9NZN9
GeneID	23746;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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



Western blot analysis of Aipl1 in human 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.

Background

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.

Note: This product is for in vitro research use only