Product Datasheet

AIPL1 Polyclonal Antibody

Catalogue Code: CAB14113

Antibody Data

Product SKU:	CAB14113	**Observed MW**	40-55kDa
Applications:	WB; IF	**Calculated MW**	36kDa/40kDa/41kDa/43kDa
Reactivity:	Human, Mouse, Rat		

Immunogen Information:

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 1-384 of human AIPL1 (NP_055151.3).

Gene ID: 23746

Swiss Prot: Q9NZN9

Synonyms: AIPL1; AIPL2; LCA4; aryl-hydrocarbon-interacting protein-like 1

Product Information:

Source: Rabbit

Isotype: IgG

Purification Method: Affinity purification

Storage: Store at -20℃. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

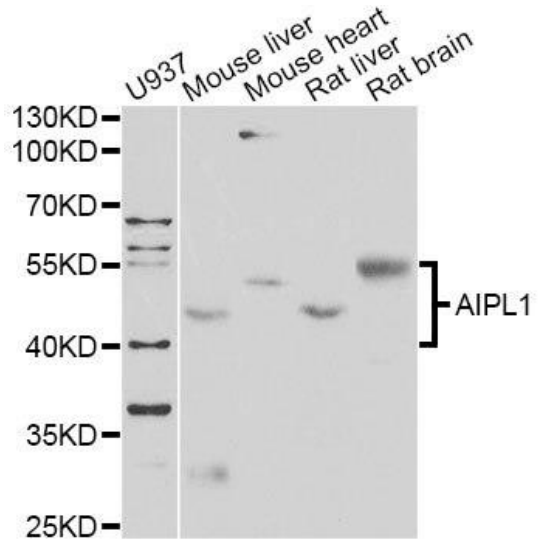
Recommended Dilution: WB 1:500 - 1:2000; IF 1:50 - 1:200

Background:

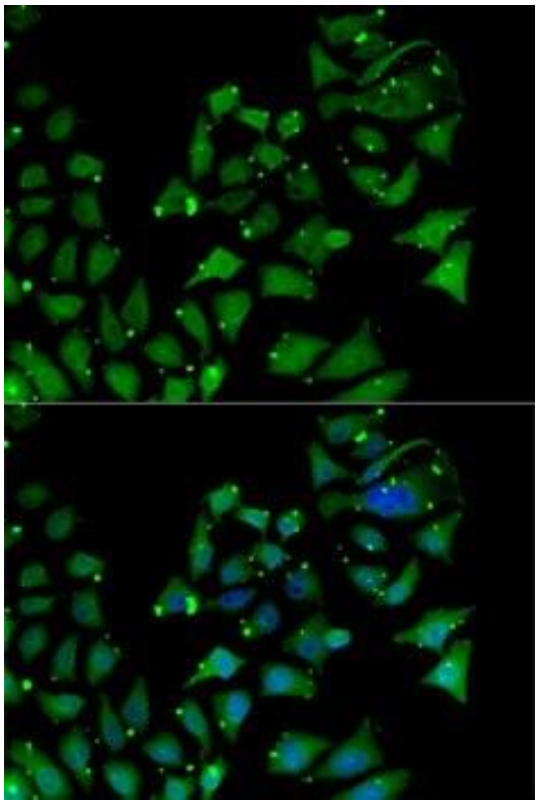
Leber congenital amaurosis (LCA) is the most severe inherited retinopathy with the earliest age of onset and accounts for at least 5% of all inherited retinal diseases. Affected individuals are diagnosed at birth or in the first few months of life with nystagmus, severely impaired vision or blindness 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.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 diagnosed 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.

Images:



Western blot analysis of extracts of various cell lines, using AIPL1 antibody (CAB14113) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Enhanced Kit (AbGn00021).Exposure time: 90s.



Immunofluorescence analysis of MCF7 cells using AIPL1 antibody (CAB14113). Blue: DAPI for nuclear staining.