

DNAxPAb

Hard-to-Find  
Antibody

# AIPL1 DNAxPab

Catalog # H00023746-W01P

Size 200 ug

## Specification

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description     | Rabbit polyclonal antibody raised against a full-length human AIPL1 DNA using DNAx™ Immune technology.                                                                                                                                                                                                                                                                                                                  |
| Technology              | <a href="#">DNAx™ Immune</a>                                                                                                                                                                                                                                                                                                                                                                                            |
| Immunogen               | Full-length human DNA                                                                                                                                                                                                                                                                                                                                                                                                   |
| Sequence                | MDAALLLNVEGVKKTILHGGTGELPNFITGSRVIFHFRTMKCDEERTVIDDSRQVGQPMHIIIGNMFK<br>LEVWEILLTSMRVHEVAEFWCDTIHTGVYPILSRSLRQMAQGKDPTTEWHVHTCGLANMFAYHTLG<br>YEDLDELQKEPQPLVFVIELLQVDAPSDYQRETWNLSNHEKMKAVPVLHGEGNRLFKLGRYEEA<br>SSKYQEAIIICLRNLQTKEKPWEVQWLKLEKMINTLILNYCQCLLKKEEYEVLEHTSDILRHHPGMK<br>AYYVRARAHAEVWNEAEAKADLQKVLELEPSMQKAVRRELRLLENRMAEKQEEERLRCRNMLS<br>QGATQPPAEPPTPEPPAQSSSTEPPAEPPTAPSAELSAGPPAEPATEPPPPSPGHSLQH |
| Host                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purification            | Protein A                                                                                                                                                                                                                                                                                                                                                                                                               |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                 |
| Storage Buffer          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                       |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

## Gene Info — AIPL1

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">23746</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| GeneBank Accession# | <a href="#">NM_014336.3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Protein Accession#  | <a href="#">NP_055151.3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Name           | AIPL1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Alias          | AIPL2, LCA4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Description    | aryl hydrocarbon receptor interacting protein-like 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Omim ID             | <a href="#">604392</a> <a href="#">604393</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Summary        | <p>Leber congenital amaurosis (LCA) accounts for at least 5% of all inherited retinal disease and is the most severe inherited retinopathy with the earliest age of onset. Individuals affected with LCA are diagnosed at birth or in the first few months of life with severely impaired vision or blindness, nystagmus and an abnormal or flat electroretinogram. The photoreceptor/pineal -expressed gene, AIPL1, encoding aryl-hydrocarbon interacting protein-like 1, was mapped within the LCA4 candidate region. The protein contains three tetratricopeptide motifs, consistent with nuclear transport or chaperone activity. AIPL1 mutations may cause approximately 20% of recessive LCA. [provided by RefSeq]</p> |
| Other Designations  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Disease

- [Blindness](#)
- [Cataract](#)
- [Optic Atrophy](#)
- [Retinal Degeneration](#)
- [Retinal Diseases](#)