

**Product Name: GPR143 Rabbit Polyclonal Antibody**  
**Catalog #: APRab11642**



## Summary

<b>Production Name</b>	GPR143 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IF,ELISA
<b>Reactivity</b>	Human,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	GPR143
<b>Alternative Names</b>	GPR143; OA1; G-protein coupled receptor 143; Ocular albinism type 1 protein
<b>Gene ID</b>	4935.0
<b>SwissProt ID</b>	P51810.The antiserum was produced against synthesized peptide derived from human GPR143. AA range:151-200

## Application

<b>Dilution Ratio</b>	IF 1:200-1:1000. ELISA: 1:10000.
<b>Molecular Weight</b>	

## Background

This gene encodes a protein that binds to heterotrimeric G proteins and is targeted to melanosomes in pigment cells. This

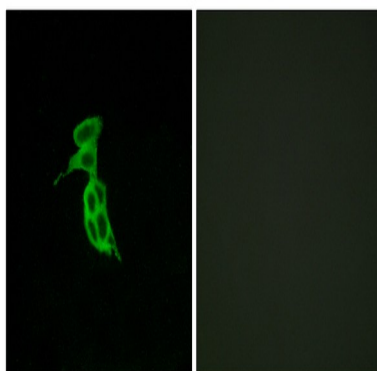
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protein is thought to be involved in intracellular signal transduction mechanisms. Mutations in this gene cause ocular albinism type 1, also referred to as Nettleship-Falls type ocular albinism, a severe visual disorder. A related pseudogene has been identified on chromosome Y. [provided by RefSeq, Dec 2009],disease:Defects in GPR143 are the cause of ocular albinism type 1 (OA1) [MIM:300500]; also known as Nettleship-Falls type ocular albinism. OA1 is an X-linked disorder characterized by severe impairment of visual acuity, retinal hypopigmentation and the presence of macromelanosomes.,function:Not known; binds heterotrimeric G proteins.,online information:GPR143 mutations,online information:Retina International's Scientific Newsletter,similarity:Belongs to the G-protein coupled receptor OA family.,subcellular location:Targeted to intracellular organelles, namely the melanosomes in pigment cells.,tissue specificity:Exclusively expressed in pigment cells.,

## Research Area

## Image Data



Immunofluorescence analysis of LOVO cells, using GPR143 Antibody. The picture on the right is blocked with the synthesized peptide.

## Note

For research use only.