



# GPR143 rabbit pAb

Cat No.:ES6437

For research use only

## Overview

<b>Product Name</b>	GPR143 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human GPR143. AA range:151-200
<b>Specificity</b>	GPR143 Polyclonal Antibody detects endogenous levels of GPR143 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	G-protein coupled receptor 143
<b>Gene Name</b>	GPR143
<b>Cellular localization</b>	Melanosome membrane ; Multi-pass membrane protein . Lysosome membrane ; Multi-pass membrane protein . Apical cell membrane ; Multi-pass membrane protein . Distributed throughout the endo-melanosomal system but most of endogenous protein is localized in un
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	
<b>Human Gene ID</b>	4935
<b>Human Swiss-Prot Number</b>	P51810
<b>Alternative Names</b>	GPR143; OA1; G-protein coupled receptor 143; Ocular albinism type 1 protein
<b>Background</b>	This gene encodes a protein that binds to

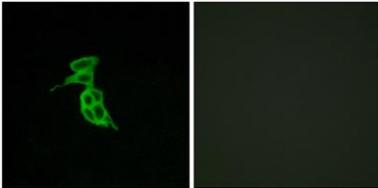




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heterotrimeric G proteins and is targeted to melanosomes in pigment cells. This protein is thought to be involved in intracellular signal transduction mechanisms. Mutations in this gene cause ocular albinism type 1, also referred to as Nettleship-Falls type ocular albinism, a severe visual disorder. A related pseudogene has been identified on chromosome Y. [provided by RefSeq, Dec 2009],

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



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