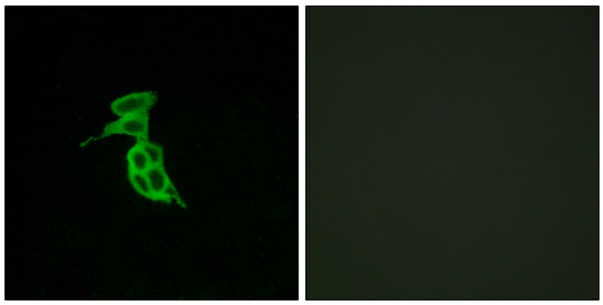
GPR143 Polyclonal Antibody

Catalog No	BYab-13302
Isotype	IgG
Reactivity	Human;Mouse
Applications	IF;ELISA
Gene Name	GPR143
Protein Name	G-protein coupled receptor 143
Immunogen	The antiserum was produced against synthesized peptide derived from human GPR143. AA range:151-200
Specificity	GPR143 Polyclonal Antibody detects endogenous levels of GPR143 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GPR143; OA1; G-protein coupled receptor 143; Ocular albinism type 1 protein
Observed Band	
Cell Pathway	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 unpigmented stage II melanosomes. Its expression on the apical cell membrane is sensitive to tyrosine (PubMed:18828673). .
Tissue Specificity	Expressed at high levels in the retina, including the retinal pigment epithelium (RPE), and in melanocytes. Weak expression is observed in brain and adrenal gland.
Function	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.,
Background	This gene encodes a protein that binds to 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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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