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Alternative Name:

Background:

anti-GPR143 antibody (AA 201-300) (AbBy Fluor® 555)



Overview		
Quantity:	100 μL	
Target:	GPR143	
Binding Specificity:	AA 201-300	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This GPR143 antibody is conjugated to AbBy Fluor® 555	
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))	
Product Details		
Immunogen:	KLH conjugated synthetic peptide derived from human OA1	
Isotype:	IgG	
Predicted Reactivity:	Human,Rat,Dog,Cow,Sheep,Pig,Horse,Chicken	
Purification:	Purified by Protein A.	
Target Details		
Target:	GPR143	

Synonyms: ALBINISM OCULAR TYPE I, G protein coupled receptor 143, G-protein coupled

OA1/GPR143 (GPR143 Products)

receptor 143, GP143_HUMAN, GPR143, MOA1, NETTLESHIP FALLS TYPE OCULAR ALBINISM, Ocular albinism type 1 protein, Ocular albinism type 1 protein homolog, Ocular albinism1 Nettleship Falls type.

Background: G protein-coupled receptors (GPRs or GPCRs), are members of the largest protein family and play a role in many different stimulus-response pathways. G-protein coupled receptors mediate extracellular signals into intracellular signals (G-protein activation). They respond to a great variety of signaling molecules, including hormones, neurotransmitters and other proteins and peptides. GPR143, also designated ocular albinism type 1 protein (OA1), is detected exclusively in pigment cells. OA1, which is a multi-pass membrane protein, is a melanosomal protein expressed primarily in pigment cells. Defects in the gene encoding for OA1 cause ocular albinism, an X-linked disorder mainly characterized by retinal hypopigmentation and visual impairment.

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.	
Expiry Date:	12 months	