

**GPR143 Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10523****Specification**

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**GPR143 Antibody (C-Terminus) - Product Information**

Application	IHC
Primary Accession	<a href="#">P51810</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44kDa KDa

**GPR143 Antibody (C-Terminus) - Additional Information****Gene ID** 4935**Other Names**

G-protein coupled receptor 143, Ocular albinism type 1 protein, GPR143, OA1

**Target/Specificity**

Human GPR143. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

GPR143 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**GPR143 Antibody (C-Terminus) - Protein Information****Name** GPR143**Synonyms** OA1**Function**

Receptor for tyrosine, L-DOPA and dopamine. After binding to L-DOPA, stimulates Ca(2+) influx into the cytoplasm, increases secretion of the neurotrophic factor SERPINF1 and relocalizes beta arrestin at the plasma membrane; this ligand-dependent signaling occurs through a G(q)-mediated pathway in melanocytic cells. Its activity is mediated by G proteins which activate the phosphoinositide signaling pathway. Also plays a role as an intracellular G protein-coupled receptor involved in melanosome biogenesis, organization and transport.

**Cellular Location**

Melanosome membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein. Note=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 Location**

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

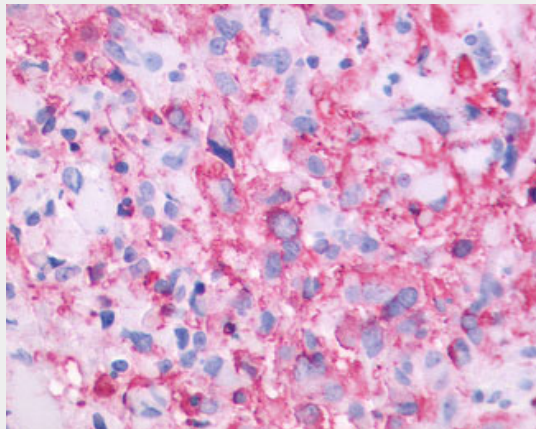
**Volume**

50  $\mu$ l

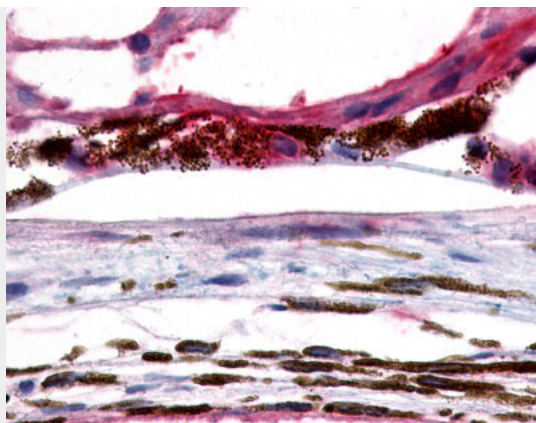
**GPR143 Antibody (C-Terminus) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

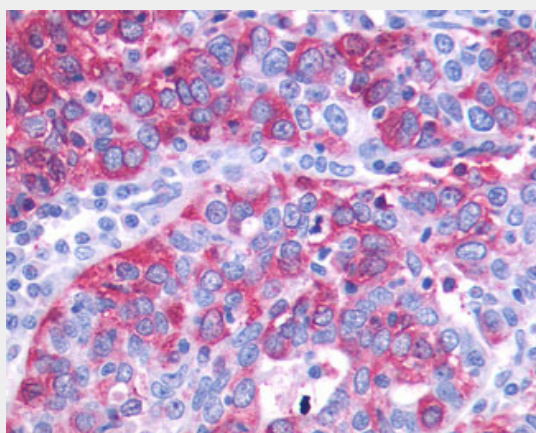
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**GPR143 Antibody (C-Terminus) - Images**

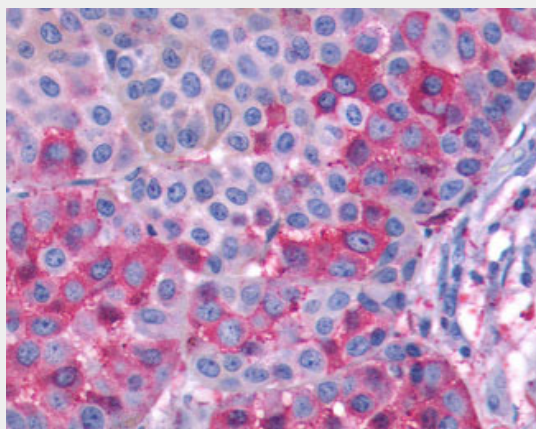
Anti-GPR143 antibody IHC of human Brain, Glioblastoma.



Anti-GPR143 antibody ALS10523 IHC of human eye, retina.



Anti-GPR143 antibody IHC of human Ovary, Carcinoma.



Anti-GPR143 antibody IHC of human Skin, Melanoma.

#### **GPR143 Antibody (C-Terminus) - Background**

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#### **GPR143 Antibody (C-Terminus) - References**

Bassi M.T.,et al.Nat. Genet. 10:13-19(1995).  
Ross M.T.,et al.Nature 434:325-337(2005).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Oetting W.S.,et al.Hum. Mutat. 13:99-115(1999).  
Schiaffino M.V.,et al.Nat. Genet. 23:108-112(1999).