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(DANRE) gpr126 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21136a

Specification

(DANRE) gpr126 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	C6KFA3
Reactivity	**Zebrafish**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**130813**
Antigen Region	**1135-1169**

(DANRE) gpr126 Antibody (C-term) - Additional Information

Gene ID 561970

Other Names
G-protein coupled receptor 126, gpr126

Target/Specificity
This DANRE gpr126 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1135-1169 amino acids from the C-terminal region of DANRE gpr126.

Dilution
WB~~1:500
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
(DANRE) gpr126 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

(DANRE) gpr126 Antibody (C-term) - Protein Information

Name adgrg6

Synonyms gpr126 {ECO:0000303|PubMed:19745155}

Function Adhesion G-protein coupled receptor (aGPCR) for steroid hormones, such as progesterone and 17alpha-hydroxyprogesterone (17OHP) (By similarity). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase (By similarity). Adgrg6 is coupled to G(i) G alpha proteins and mediates inhibition of adenylate cyclase (PubMed:25118328). Also able to couple to G(q) G proteins (PubMed:25118328). Involved in myelination of the peripheral nervous system: required for differentiation of promyelinating Schwann cells and for normal myelination of axons (PubMed:19745155, PubMed:23804499, PubMed:25118328, PubMed:25695270, PubMed:31924782). G-protein coupled receptor activity can also be activated by type IV collagen, a major constituent of the basement membrane (PubMed:25118328). Also plays a role inner ear development (PubMed:24067352).

Cellular Location
Cell membrane; Multi-pass membrane protein

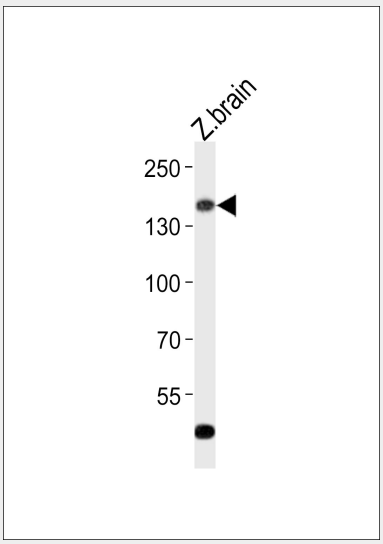
Tissue Location
Expressed in Schwann cells of the posterior lateral line nerve and in brain.

(DANRE) gpr126 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

(DANRE) gpr126 Antibody (C-term) - Images



Western blot analysis of lysate from zebra fish brain tissue lysate, using (DANRE) gpr126 Antibody (C-term)(Cat. #AP21136a). AP21136a was diluted at 1:500. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

(DANRE) gpr126 Antibody (C-term) - Background

Orphan receptor. Required for normal differentiation of promyelinating Schwann cells and for normal myelination of axons. Signals probably through G-proteins to transiently elevate cAMP levels. Required for normal expression of the transcription factors oct6 and krox20 that are required for Schwann cells to inititate myelination.

(DANRE) gpr126 Antibody (C-term) - References

Monk K.R.,et al.Science 325:1402-1405(2009).