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ADGRG6 / GPR126 Antibody (Internal)

Rabbit Polyclonal Antibody
Catalog # ALS10435

Specification

ADGRG6 / GPR126 Antibody (Internal) - Product Information

Application	**IHC-P**
Primary Accession	Q86SQ4
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**137kDa KDa**
Dilution	**IHC-P~~N/A**

ADGRG6 / GPR126 Antibody (Internal) - Additional Information

Gene ID 57211

Other Names
G-protein coupled receptor 126, Developmentally regulated G-protein-coupled receptor, Vascular inducible G protein-coupled receptor, GPR126, DREG, VIGR

Target/Specificity
Human GPR126. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
ADGRG6 / GPR126 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

ADGRG6 / GPR126 Antibody (Internal) - Protein Information

Name ADGRG6 (HGNC:13841)

Function
Adhesion G-protein coupled receptor (aGPCR) for steroid hormones, such as progesterone and 17alpha-hydroxyprogesterone (17OHP) (PubMed:35394864, PubMed:39884271). Involved in many biological processes, such as myelination, sprouting angiogenesis, placenta, ear and cartilage development (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 (PubMed:24227709, PubMed:35394864). ADGRG6 is

coupled to G(i) G alpha proteins and mediates inhibition of adenylate cyclase (PubMed:24227709, PubMed:35394864). Also able to couple to G(q) G proteins (PubMed:24227709). Involved in myelination of the peripheral nervous system: required for differentiation of promyelinating Schwann cells and for normal myelination of axons (PubMed:24227709). Also acts as a regulator of body length and bone mass (PubMed:18391950). Acts as a regulator of blood-brain barrier formation in the central nervous system vie its association with LRP1 and ITGB1 (By similarity).

Cellular Location
Cell membrane; Multi-pass membrane protein. Note=Detected on the cell surface of activated but not resting umbilical vein.

Tissue Location
Expressed in placenta and to a lower extent in pancreas and liver. Detected in aortic endothelial cells but not in skin microvascular endothelial cells.

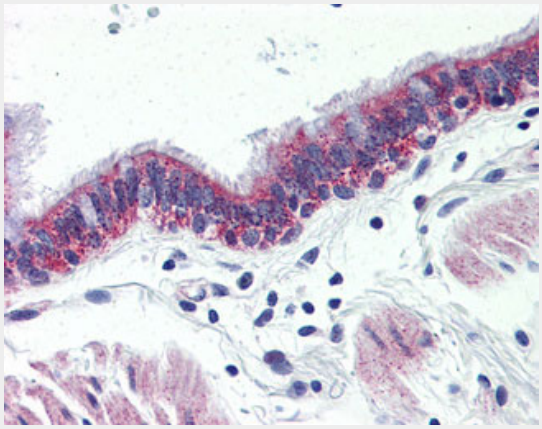
Volume
50 µl

ADGRG6 / GPR126 Antibody (Internal) - 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

ADGRG6 / GPR126 Antibody (Internal) - Images



Anti-GPR126 antibody ALS10435 IHC of human lung, respiratory epithelium.

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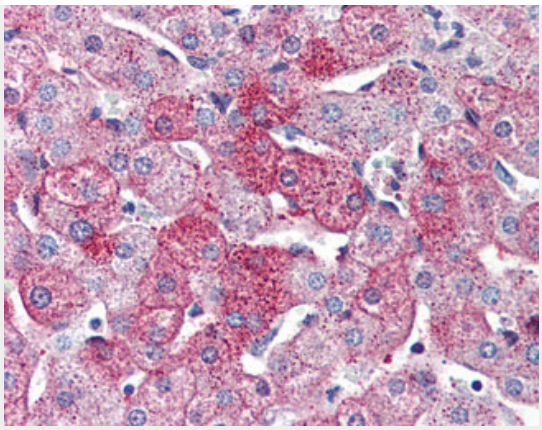

Anti-GPR126 antibody ALS10435 IHC of human liver.

ADGRG6 / GPR126 Antibody (Internal) - Background

Orphan receptor. May be required for normal differentiation of promyelinating Schwann cells and for normal myelination of axons. Signals probably through G-proteins to transiently elevate cAMP levels (By similarity).

ADGRG6 / GPR126 Antibody (Internal) - References

Stehlik C.,et al.FEBS Lett. 569:149-155(2004).
Moriguchi T.,et al.Genes Cells 9:549-560(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Mungall A.J.,et al.Nature 425:805-811(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).