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ADGRG6 / GPR126 Antibody (N-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS10784

Specification

ADGRG6 / GPR126 Antibody (N-Terminus) - Product Information

Application	**IHC**
Primary Accession	Q86SQ4
Reactivity	**Human, Mouse, Rabbit, Hamster, Monkey, Chicken, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**137kDa KDa**

ADGRG6 / GPR126 Antibody (N-Terminus) - 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, except GPR64 (72%).

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

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

ADGRG6 / GPR126 Antibody (N-Terminus) - Protein Information

Name ADGRG6 (HGNC:13841)

Synonyms DREG, GPR126, VIGR

Function
G-protein coupled receptor which is activated by type IV collagen, a major constituent of the basement membrane (By similarity). Couples to G(i)-proteins as well as G(s)-proteins (PubMed:24227709). Essential for normal differentiation of promyelinating Schwann cells and for normal myelination of axons (PubMed:24227709). Regulates neural, cardiac and ear development via G-protein- and/or N-terminus- dependent signaling (By similarity). May act as a receptor for PRNP which may promote myelin homeostasis (By similarity).

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

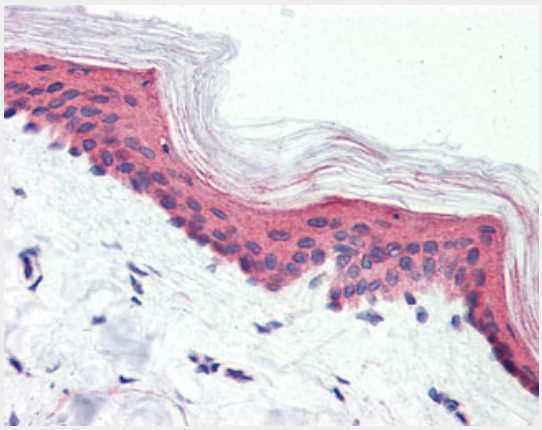
Tissue Location
Expressed in placenta and to a lower extent in pancreas and liver. Detected in aortic endothelial cells but not in skin microvascular endothelial cells.

ADGRG6 / GPR126 Antibody (N-Terminus) - Protocols

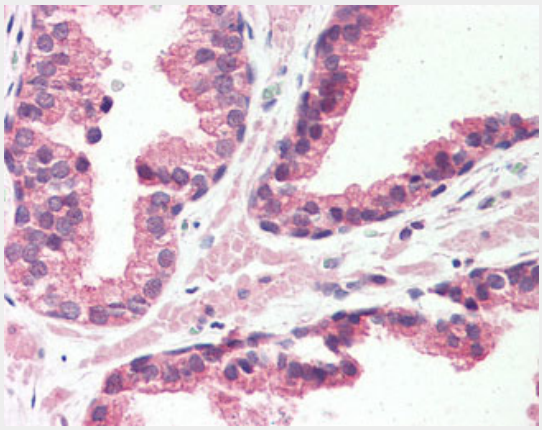
Provided below are standard protocols that you may find useful for product applications.

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

ADGRG6 / GPR126 Antibody (N-Terminus) - Images



Anti-GPR126 antibody ALS10784 IHC of human skin.



Anti-GPR126 antibody ALS10784 IHC of human prostate.

ADGRG6 / GPR126 Antibody (N-Terminus) - 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 (N-Terminus) - 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).