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FKSG80 / GPR81 Antibody (Extracellular Domain)

Rabbit Polyclonal Antibody
Catalog # ALS10508

Specification

FKSG80 / GPR81 Antibody (Extracellular Domain) - Product Information

Application	**IHC**
Primary Accession	Q9BXC0
Reactivity	**Human, Rabbit, Hamster, Monkey, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**39kDa KDa**

FKSG80 / GPR81 Antibody (Extracellular Domain) - Additional Information

Gene ID 27198

Other Names
Hydroxycarboxylic acid receptor 1, G-protein coupled receptor 104, G-protein coupled receptor 81, HCAR1, GPR104, GPR81, HCA1

Target/Specificity
Human GPR81. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

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

Precautions
FKSG80 / GPR81 Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

FKSG80 / GPR81 Antibody (Extracellular Domain) - Protein Information

Name HCAR1

Synonyms GPR104, GPR81, HCA1

Function
Acts as a receptor for L-lactate and mediates its anti- lipolytic effect through a G(i)-protein-mediated pathway.

Cellular Location
Cell membrane; Multi-pass membrane protein.

Tissue Location
Expressed abundantly in brown and white fat. It also detectable at lower levels in liver, kidney, skeletal muscle, brain and pituitary. Not detected in frontal, temporal and occipital lobes of the

cortex, basal forebrain, caudate nucleus, nucleus accumbens and hippocampus.

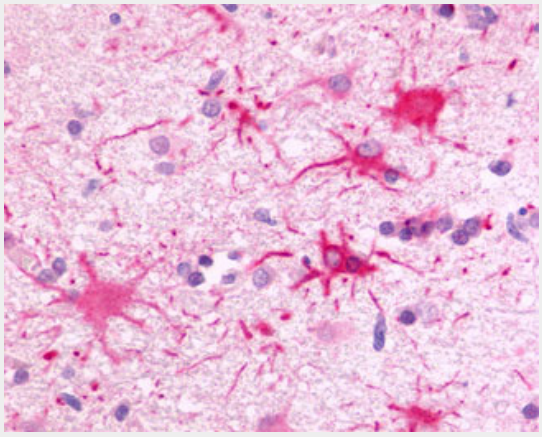
Volume
50 µl

FKSG80 / GPR81 Antibody (Extracellular Domain) - Protocols

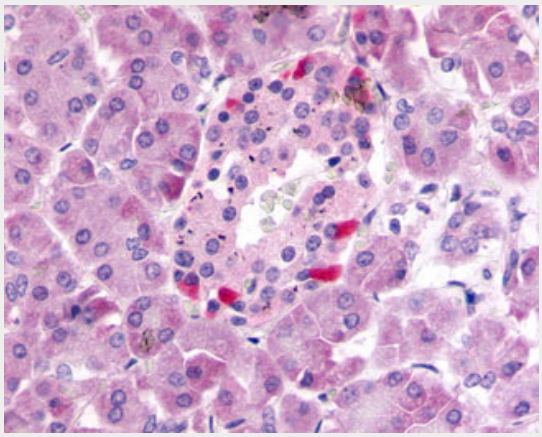
Provided below are standard protocols that you may find useful for product applications.

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

FKSG80 / GPR81 Antibody (Extracellular Domain) - Images



Anti-FKSG80 / GPR81 antibody IHC of human Brain, Glioblastoma.



Anti-FKSG80 / GPR81 antibody IHC of human pancreas islet of Langerhans.

FKSG80 / GPR81 Antibody (Extracellular Domain) - Background

Acts as a receptor for L-lactate and mediates its anti- lipolytic effect through a

G(i)-protein-mediated pathway.

FKSG80 / GPR81 Antibody (Extracellular Domain) - References

Lee D.K.,et al.Gene 275:83-91(2001).
Liu C.,et al.J. Biol. Chem. 284:2811-2822(2009).
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Suwa M.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
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