

FKSG80 / GPR81 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10509

Specification

FKSG80 / GPR81 Antibody (C-Terminus) - Product Information

Application	IHC
Primary Accession	O9BXC0
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39kDa KDa

FKSG80 / GPR81 Antibody (C-Terminus) - 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, except KRBA1 (53%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

FKSG80 / GPR81 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

FKSG80 / GPR81 Antibody (C-Terminus) - 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

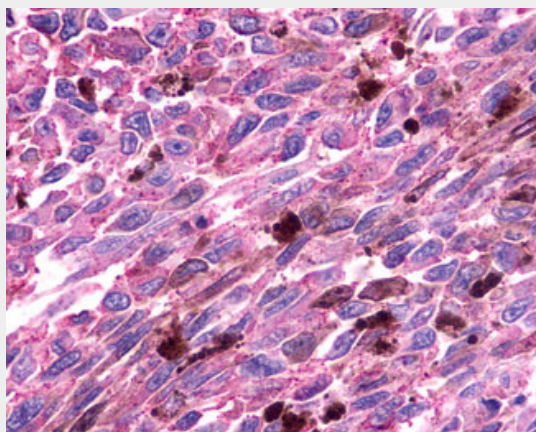
50 μ l

FKSG80 / GPR81 Antibody (C-Terminus) - Protocols

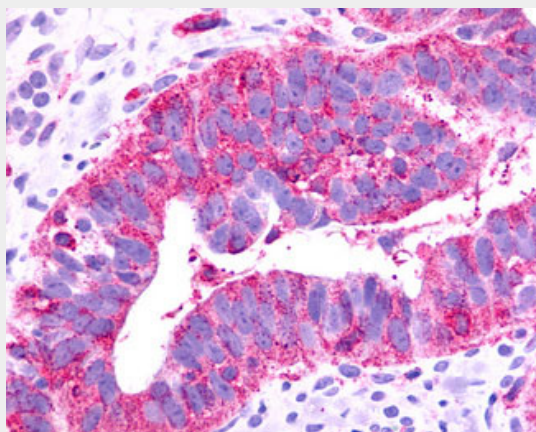
Provided below are standard protocols that you may find useful for product applications.

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

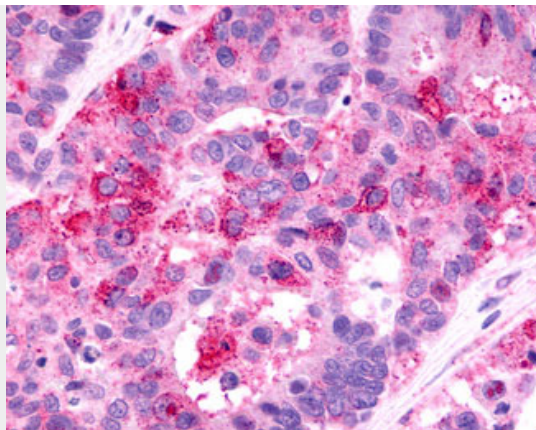
FKSG80 / GPR81 Antibody (C-Terminus) - Images



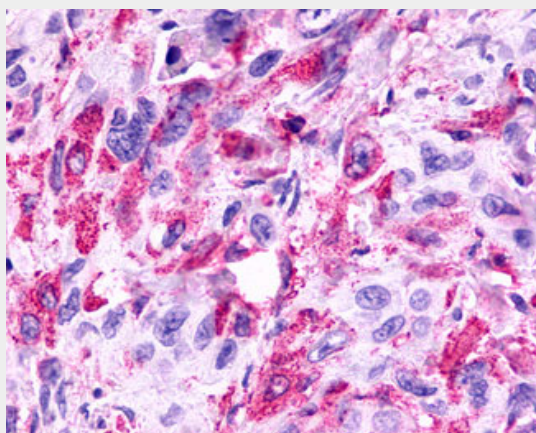
Anti-FKSG80 / GPR81 antibody IHC of human Skin, Melanoma.



Anti-FKSG80 / GPR81 antibody IHC of human Ovary, Carcinoma.



Anti-FKSG80 / GPR81 antibody IHC of human Colon, Carcinoma.



Anti-FKSG80 / GPR81 antibody IHC of human pancreas, carcinoma.

FKSG80 / GPR81 Antibody (C-Terminus) - Background

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

FKSG80 / GPR81 Antibody (C-Terminus) - References

- Lee D.K., et al. Gene 275:83-91(2001).
- Liu C., et al. J. Biol. Chem. 284:2811-2822(2009).
- Wang Y.-G., et al. Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases.
- Suwa M., et al. Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
- King M.M., et al. Submitted (DEC-2003) to the EMBL/GenBank/DDBJ databases.