

Goat Anti-Fibroblast growth factor 21 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1417a

Specification

Goat Anti-Fibroblast growth factor 21 Antibody - Product Information

Application	WB, IF
Primary Accession	O9NSA1
Other Accession	NP_061986 , 26291
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	22300

Goat Anti-Fibroblast growth factor 21 Antibody - Additional Information

Gene ID 26291

Other Names

Fibroblast growth factor 21, FGF-21, FGF21

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-Fibroblast growth factor 21 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Fibroblast growth factor 21 Antibody - Protein Information

Name FGF21

Function

Stimulates glucose uptake in differentiated adipocytes via the induction of glucose transporter SLC2A1/GLUT1 expression (but not SLC2A4/GLUT4 expression). Activity requires the presence of KLB. Regulates systemic glucose homeostasis and insulin sensitivity.

Cellular Location

Secreted {ECO:0000250|UniProtKB:Q9JJN1}.

Goat Anti-Fibroblast growth factor 21 Antibody - Protocols

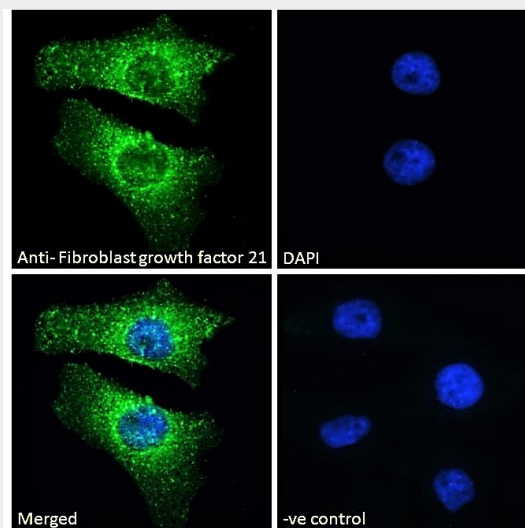
Provided below are standard protocols that you may find useful for product applications.

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

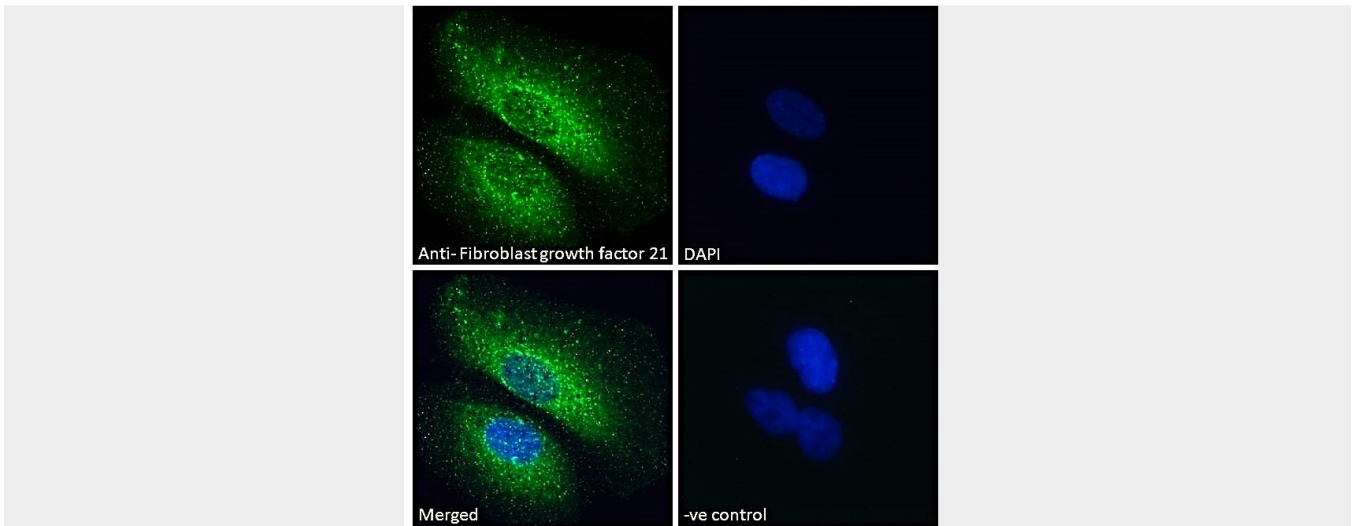
Goat Anti-Fibroblast growth factor 21 Antibody - Images



AF1417a (1 $\mu\text{g/ml}$) staining of Human Liver lysate (35 μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB08067 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 $\mu\text{g/ml}$) followed by Alexa Fluor 488 secondary antibody (2 $\mu\text{g/ml}$), showing ER and cytoplasmic staining. The nuclear stain is



EB08067 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing ER and cytoplasmic staining. The nuclear stain is

Goat Anti-Fibroblast growth factor 21 Antibody - Background

The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. The function of this growth factor has not yet been determined.

Goat Anti-Fibroblast growth factor 21 Antibody - References

FGF21 signalling pathway and metabolic traits - genetic association analysis. Kaess BM, et al. *Eur J Hum Genet*, 2010 Aug 18. PMID 20717167.
Daily physical activity, fasting glucose, uric acid, and body mass index are independent factors associated with serum fibroblast growth factor 21 levels. Cuevas-Ramos D, et al. *Eur J Endocrinol*, 2010 Sep. PMID 20566587.
Increased fibroblast growth factor 21 in obesity and nonalcoholic fatty liver disease. Dushay J, et al. *Gastroenterology*, 2010 Aug. PMID 20451522.
Regulation of FGF21 expression and secretion by retinoic acid receptor-related orphan receptor alpha. Wang Y, et al. *J Biol Chem*, 2010 May 21. PMID 20332535.
Fibroblast growth factor-21 may mediate growth hormone resistance in anorexia nervosa. Fazeli PK, et al. *J Clin Endocrinol Metab*, 2010 Jan. PMID 19926712.