

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

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**Goat Anti-Fibroblast growth factor 21 Antibody - Product Information**

Application	IF, Pep-ELISA
Primary Accession	<a href="#">O9NSA1</a>
Other Accession	<a href="#">NP_061986</a> , <a href="#">26291</a>
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

**Dilution**

IF~~1:50~200

Pep-ELISA~~N/A

**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}.

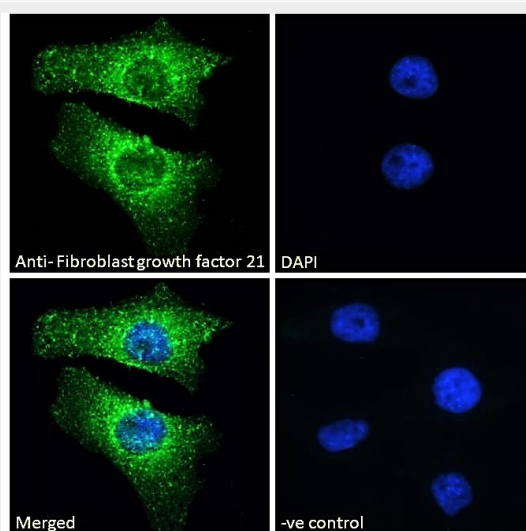
**Goat Anti-Fibroblast growth factor 21 Antibody - Protocols**

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

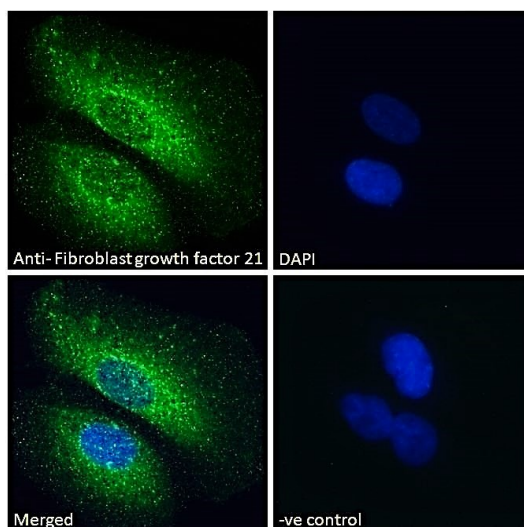
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat Anti-Fibroblast growth factor 21 Antibody - Images**

AF1417a (1 µg/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 (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/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.