

Rabbit anti-Human FGF21 Polyclonal Antibody | anti-FGF21 antibody

Anti-FGF21 antibody

CATALOG # AAA45061	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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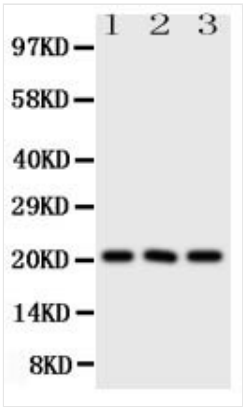
PRODUCT SYNONYMS

FGF21; Polyclonal Antibody; Anti-FGF21 antibody; Fibroblast growth factor 21(FGF-21); fibroblast growth factor 21; FGF 21 antibody; FGF-21 antibody; Fgf21 antibody; FGF21_HUMAN antibody; FGFL antibody; Fibroblast growth factor 21 antibody; PRO10196 antibody; UNQ3115 antibody; anti-FGF21 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	209
Applicable Applications for anti-FGF21 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human FGF21 (43-58aa QVRQRYLYTDDAQTE), different from the related rat and mouse sequences by two amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)
Anti-FGF21 antibody, AAA45061, Western blottingAll lanes: Anti FGF21 (AAA45061) at 0.5ug/mlLane 1: A549 Whole Cell Lysate at 40ugLane 2: A431 Whole Cell Lysate at 40ugLane 3: HEPA Whole Cell Lysate at 40ugPredicted bind size: 21KDObserved bind size: 21KD

ADDITIONAL INFORMATION

Related Product Information for anti-FGF21 antibody	FGF21(Fibroblast growth factor 21) is a protein that in humans is encoded by the FGF21 gene, which is also a member of the fibroblast growth factor(FGF) family. The FGF21 gene is mapped on 19q13.33. Using RT-PCR, Fgf21 was expressed in several types of adipose tissue in mice, including subcutaneous and epididymal fat pads and brown adipose tissue. The level of Fgf21 expression in adipose tissue was comparable to that in liver. FGF21 stimulates glucose uptake in adipocytes but not in other cell types. This effect is additive to the activity of insulin. FGF21 treatment of adipocytes is associated with phosphorylation of FRS2, a protein linking FGF receptors to the Ras/MAP kinase pathway. FGF21 also protects animals from diet-induced obesity when overexpressed in transgenic mice and lowers blood glucose and triglyceride levels when administered to diabetic rodents. Changes in Fgf21 expression due to suckling or nutritional manipulations were associated with changes in circulating free fatty acid and ketone body levels. In differentiated mouse brown adipocytes in culture, Fgf21 treatment increased the expression of thermogenic genes, caused higher total and uncoupled respiration, and enhanced glucose oxidation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13626703
NCBI GeneID	26291
UniProt Accession #	Q9NSA1; Q8N683
Molecular Weight	22,300 Da
NCBI Official Full Name	Fibroblast growth factor 21
NCBI Official Synonym Full Names	fibroblast growth factor 21
NCBI Official Symbol	FGF21
NCBI Protein Information	fibroblast growth factor 21
UniProt Protein Name	Fibroblast growth factor 21
UniProt Gene Name	FGF21
UniProt Synonym Gene Names	FGF-21
UniProt Entry Name	FGF21_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.