biotechne

Mouse FGF-21 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF3057

RDsystems

DESCRIPTION	
Species Reactivity	Mouse
Specificity	Detects mouse FGF-21 in direct ELISAs and Western blots. In these formats, approximately 15% cross-reactivity with recombinant human (rh) FGF-21 is observed and less than 1% cross-reactivity with rhFGF-19 and rhFGF-23 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse FGF-21 Tyr30-Ser210 Accession # Q9JJN1
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

APPLICATIONS

Please Note: Optimal dilutions sl	hould be determined by each laboratory for each application. Gene	ral Protocols are available in the Technical Information section on our website.
	Recommended Concentration	Sample
Western Blot	0.25 µg/mL	See Below

DATA

Western Blot	
KDa 250 - 150 - 50 - 50 - 50 - 50 - 50 - 50 - 15 - 15 - 15 - 10 - 15 - 10 - 15 -	Detection of Mouse FGF-21 by Western Blot. Western blot shows lysates of mouse spleen tissue and rat spleen tissue. PVDF membrane was probed with 0.25 µg/mL of Goat Anti-Mouse FGF-21 Antigen Affinity-purified Polycional Antibody (Catalog # AF3057) followed by HRP- conjugated Anti-Goat IgG Secondary Antibody (Catalog # Catalog # HAF019). A specific band was detected for FGF-21 at approximately 26 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.
PREPARATION AND	STORAGE
Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature re

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution. •

BACKGROUND

Stability & Storage

Mouse FGF-21 is a 20 kDa, secreted, nonglycosylated polypeptide that is a member of the FGF family. It is synthesized as a 210 amino acid (aa) precursor that contains a 28 aa signal sequence and a 182 aa mature region. Mature mouse FGF-21 shares 81%, 80%, 79% and 92% aa sequence identity with human, bovine, canine and rat FGF-21, respectively. FGF-21 seems to be produced by the liver and exhibits unique antidiabetogenic effects in fat.

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