

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse FGF-21 in Western blots. In this format, approximately 5% cross-reactivity with rhFGF-21 is observed and less than 1% cross-reactivity with rhFGF-3, -4, -5, -6, -7, -9, -10, -11, -12, -13, -16, -17, -18, -19, -20, rmFGF-8b, -15 and -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 BSA as a carrier protein. See Certificate of Analysis for details.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse FGF-21

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 recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 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

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.