

Product Datasheet

GDF-15 Antibody - BSA Free

NBP1-42732

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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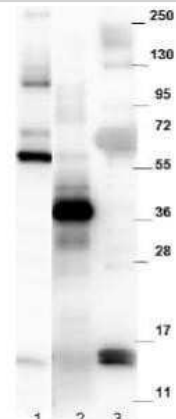
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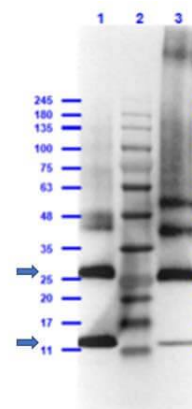
Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<p>This product was affinity purified from monospecific antiserum by immunoaffinity chromatography</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Rabbit
Gene ID	9518
Gene Symbol	GDF15
Species	Human, Mouse
Reactivity Notes	A BLAST analysis suggests reactivity with GDF-15 from rat based on 100% homology. Partial reactivity is expected against swine, bovine and dog based on 92% homology. Cross-reactivity with GDF-15 from other sources has not been determined.
Immunogen	This affinity purified GDF-15 Antibody was prepared by repeated immunizations with a peptide corresponding to an amino acid sequence near the C-terminal of mouse GDF-15 protein. (Uniprot: Q9Z0J7)
Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:3000-1:7000, ELISA 1:100000-1:120000
Application Notes	This affinity purified This product has been tested by ELISA and western blotting of mouse and human NAG-1 protein. For detection of NAG-1 in mouse serum, a sandwich ELISA is suggested using this antibody in combination with anti-NAG-1/GDF15 (N-terminal) specific antibodies. Specific conditions for reactivity should be optimized by the end user. Expect bands in Western blots of approximately 14 and 28 kDa in size corresponding to NAG-1 monomer and dimer, respectively, using the appropriate cell lysate or extract.

Images

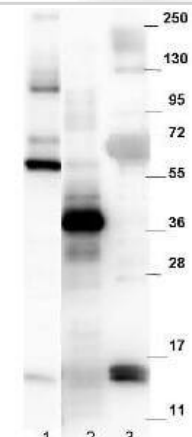
Western Blot: GDF-15 Antibody [NBP1-42732] - Analysis using Biotin conjugate of NBP1-42732. Detection of recombinant MBP-NAG-1 fusion protein (60 kDa) purified from E.coli (lane 1); yeast cell lysate expressing SUMO-mouse NAG-1 (42 kDa) (lane 2), and R&D human NAG-1 monomer purified from CHO-K1 cells (14 kDa) (lane 3). All lysates were run under reducing conditions.



Lane 1: Rec Ms GDF15 Protein Reduced [0.05ug]. Lane 2: Opal prestained Molecular Weight Marker. Lane 3: Rec Ms GDF15 Protein Non-Reduced [0.05ug]. Primary Antibody: GDF-15 antibody at 1.0µg/mL overnight at 2-8C. Secondary Antibody: Gt Anti-Rabbit [H&L] HRP at 1:40,000 for 30mins at RT. Blocking: Universal BlockOut Buffer at RT for 1hr. Predicted MW: 14kDa monomer and 28kDa dimer.



Western blot using affinity purified anti-mouse NAG-1/GDF15 antibody. The blot shows detection of recombinant fusion protein (60 kDa) purified from E.coli (lane 1); yeast cell lysate expressing SUMO-mouse NAG-1 (42 kDa) (lane 2), and human NAG-1 monomer purified from CHO-K1 cells (14 kDa) (lane 3). All lysates were run under reducing conditions. Primary antibody was used at a 1:1000 dilution in TBS containing 1% BSA and 0.2% Tween, and reacted overnight at 4C. Nag-1 was detected using a 1:40,000 dilution of peroxidase conjugated Gt-a-Rabbit antibody () in Blocking Buffer for Fluorescent Western Blotting () for 30 min at room temperature. Molecular weight estimation was made by comparison to prestained MW markers. Image was captured using the BioRad Versadoc(TM) 4000MP Imaging System. Other detection systems will yield similar results.





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Products Related to NBP1-42732

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-51921-0.1mg	Recombinant Mouse GDF-15 His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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