

Product Datasheet

Natriuretic Peptide Receptor C Antibody - BSA Free NBP1-31365

Unit Size: 100 ul

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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technical@novusbio.com

Publications: 5

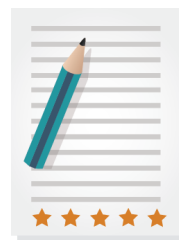
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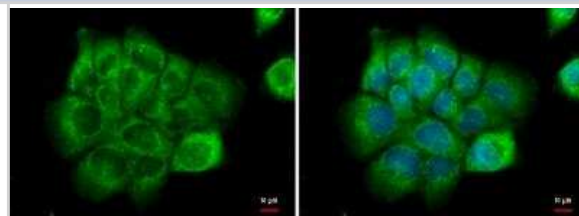
NBP1-31365**Natriuretic Peptide Receptor C Antibody - BSA Free**

Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol
Target Molecular Weight	60 kDa
Product Description	
Host	Rabbit
Gene ID	4883
Gene Symbol	NPR3
Species	Human, Mouse, Rat, Chicken, Rabbit
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: <i>Xenopus laevis</i> (82%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human Natriuretic Peptide Receptor C. The exact sequence is proprietary.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot Assay dependent, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

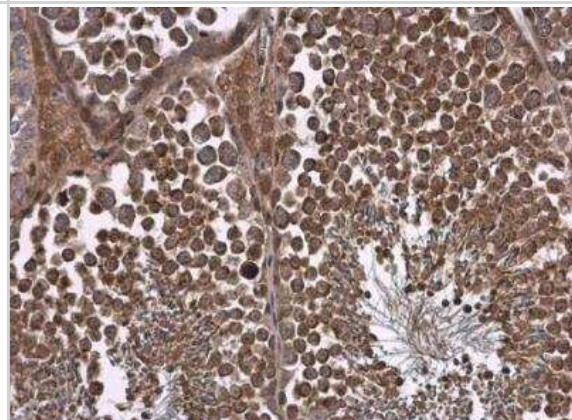


Images

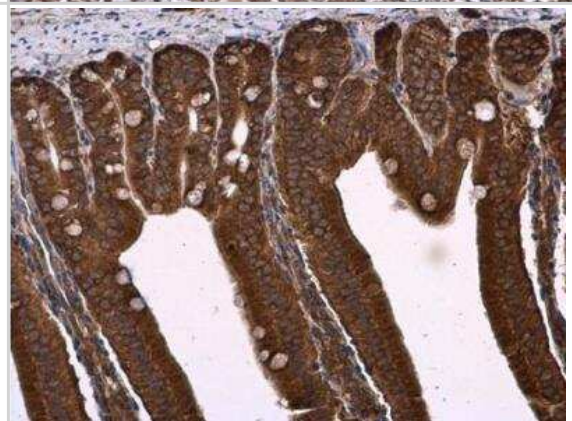
Immunocytochemistry/Immunofluorescence: Natriuretic Peptide Receptor C Antibody [NBP1-31365] - A431 cells were fixed in ice-cold MeOH for 5 min. Green: NPR-C protein stained by NPR-C antibody diluted at 1:500. Blue: Hoechst 33342 staining.



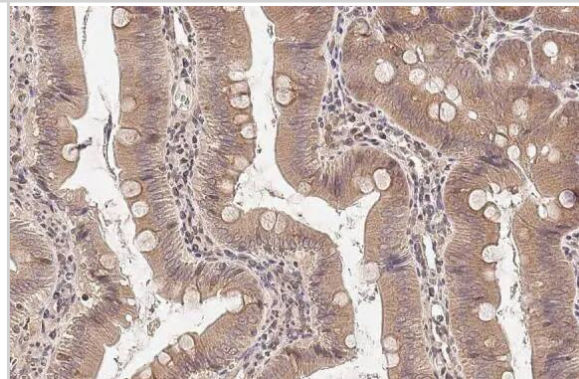
Immunohistochemistry-Paraffin: Natriuretic Peptide Receptor C Antibody [NBP1-31365] - Mouse testis. NPR-C antibody [N3C3] diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Immunohistochemistry-Paraffin: Natriuretic Peptide Receptor C Antibody [NBP1-31365] - Mouse duodenum. NPR-C antibody [N3C3] diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Immunohistochemistry-Paraffin: Natriuretic Peptide Receptor C Antibody [NBP1-31365] - Natriuretic Peptide Receptor C antibody [N3C3] detects Natriuretic Peptide Receptor C protein at cell membrane by immunohistochemical analysis. Sample: Paraffin-embedded rat duodenum. Natriuretic Peptide Receptor C stained by Natriuretic Peptide Receptor C antibody [N3C3] (NBP1-31365) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Publications

Cachorro E, Gonsch M, Schubert M et al. CNP Promotes Antiarrhythmic Effects via Phosphodiesterase 2 Circulation research 2023-02-17 [PMID: 36715019] (SDS-Page, Human)

Agrawal V, Fortune N, Yu S et al. EXPRESS: Natriuretic Peptide Receptor C Contributes to Disproportionate Right Ventricular Hypertrophy in a Rodent Model of Obesity Induced Heart Failure with Preserved Ejection Fraction with Pulmonary Hypertension Pulm Circ 2020-01-07 [PMID: 31903184]

Shi F, Simandi Z, Nagy L, Collins S Diet-dependent natriuretic peptide receptor C expression in adipose tissue is mediated by PPAR gamma via long-range distal enhancers The Journal of biological chemistry 2021-07-07 [PMID: 34245781] (WB)

Wu W, Shi F et al. Enhancing natriuretic peptide signaling in adipose tissue, but not in muscle, protects against diet-induced obesity and insulin resistance. Sci Signal 2017-07-25 [PMID: 28743802] (WB, Mouse)

Kovacova Z, Tharp WG, Liu D et al. Adipose tissue natriuretic peptide receptor expression is related to insulin sensitivity in obesity and diabetes. Obesity (Silver Spring). 2016-02-17 [PMID: 26887289] (WB, Human)

Details:

Natriuretic Peptide Receptor C (NPRC) antibody used for WB on human subcutaneous adipose lysates from lean subjects, obese subjects with NGT (normal glucose tolerance), and subjects with T2DM (type 2 diabetes mellitus) (Figure 1C).





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Products Related to NBP1-31365

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
10187-NR-050	Natriuretic Peptide Receptor C [Unconjugated]

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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