Anti-Natriuretic Peptide Receptor 3
Recombinant Rabbit Monoclonal Antibody

Catalog #: 3004

Aliases

NPR3; Natriuretic Peptide Receptor 3; C5orf23; GUCY2B; ANPRC; NPRC; Natriuretic Peptide Receptor C/Guanylate Cyclase C (Atrionatriuretic Peptide Receptor C); Atrial Natriuretic Peptide Clearance Receptor; Atrial Natriuretic Peptide Receptor Type C; Atrial Natriuretic Peptide Receptor 3; Atrionatriuretic Peptide Receptor C; Guanylate Cyclase C; FLJ14054; ANPR-C; ANP-C; NPR-C; Chromosome 5 Open Reading Frame 23; Natriuretic Peptide Receptor C; BOMOS

Background

Gene Name: NPR3
NCBI Gene Entry: 4883
UniProt Entry: P17342

Application Information

Molecular Weight: Predicted, 60 kDa; observed, 70 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 24GB3585
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human Natriuretic Peptide Receptor C

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000
Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000

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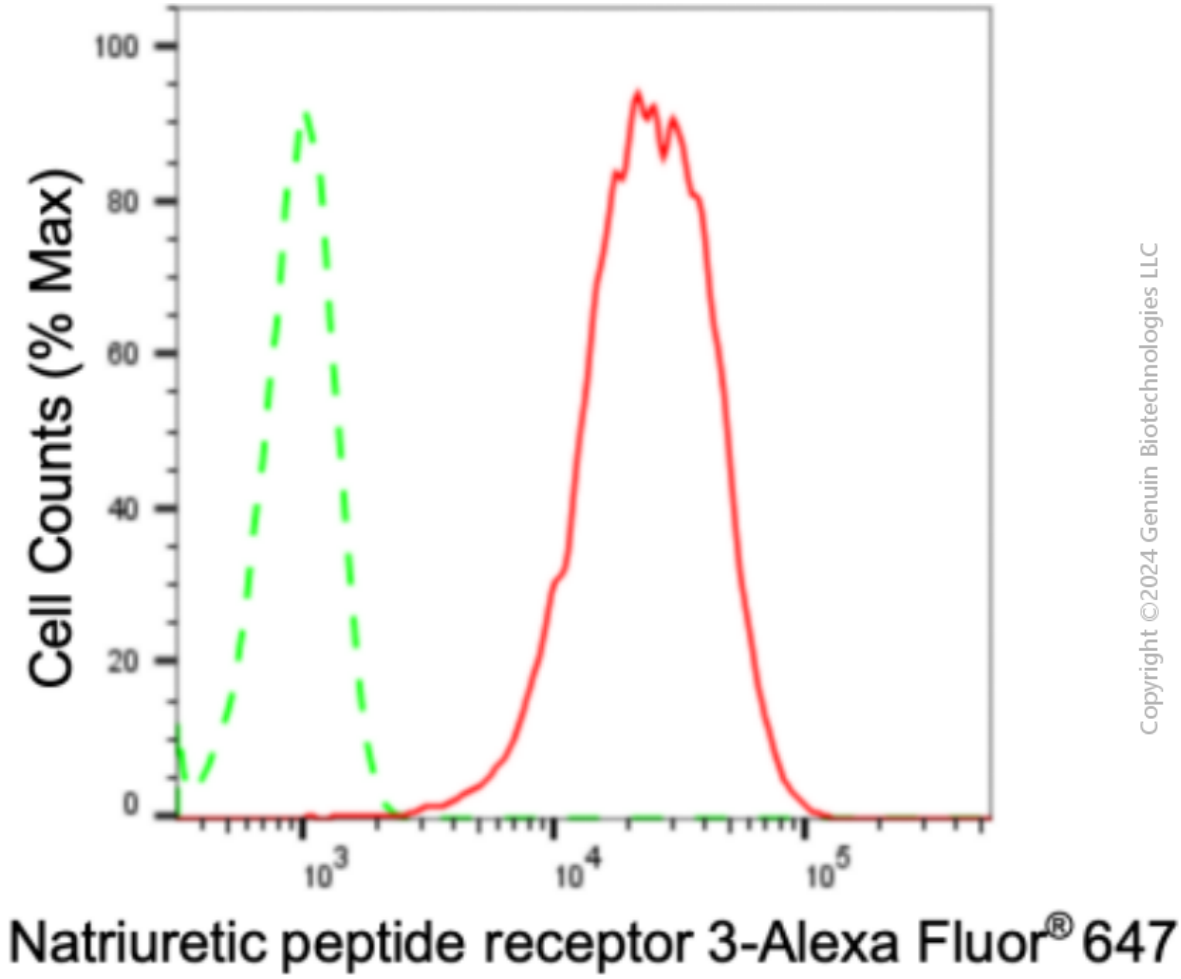
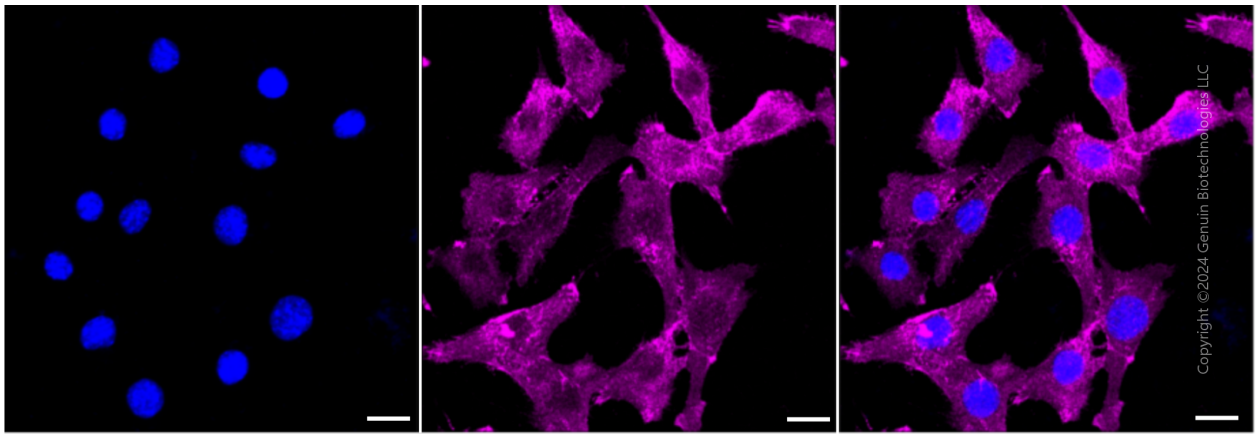
Note: This product is for research use only.

Validation Data



Flow cytometric analysis of Natriuretic peptide receptor 3 expression in C2C12 cells using anti-Natriuretic peptide receptor 3 antibody (Cat#3004, 1:2,000). Green, isotype control; red,Natriuretic peptide receptor 3.



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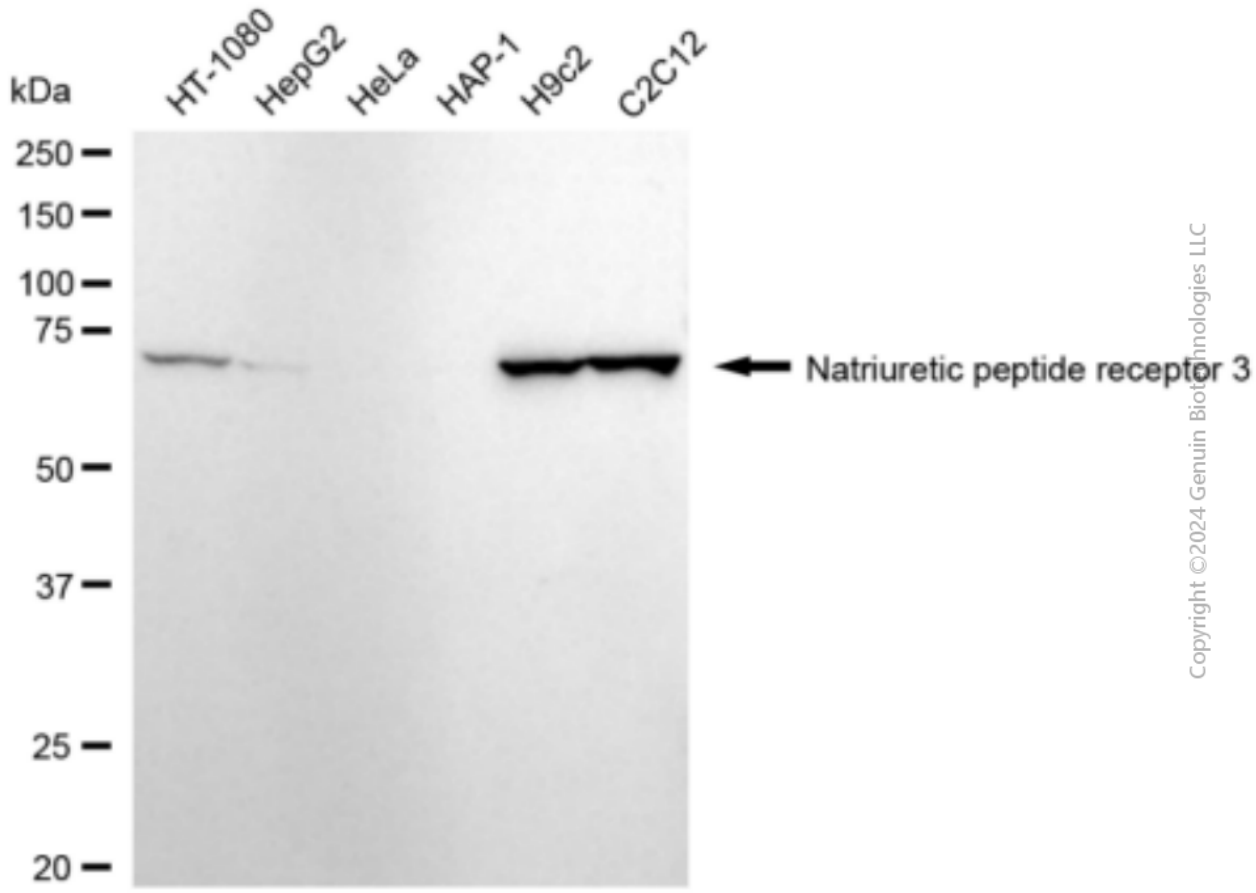
Immunocytochemical staining of C2C12 cells with anti-Natriuretic peptide receptor 3 antibody (Cat#3004, 1:1,000) . Nuclei were stained blue with DAPI; Natriuretic peptide receptor 3 was stained magenta with Alexa Fluor® 647. Images were taken using leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar: 20 µm.



Western blotting analysis using anti-Natriuretic peptide receptor 3 antibody (Cat#3004). Total cell lysates (15 µg for C2C12 and H9c2, 30 µg for others) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Natriuretic peptide receptor 3 antibody (Cat#3004, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).