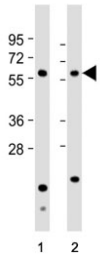
Natriuretic peptide receptor C Antibody / NPRC (F55068)

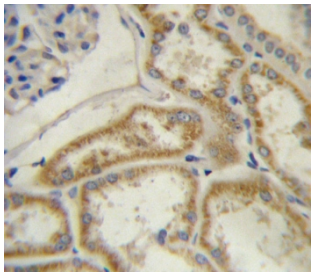
Catalog No.	Formulation	Size
F55068-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F55068-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

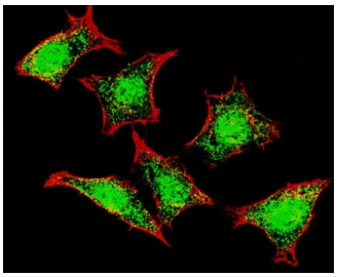
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
UniProt	P17342
Applications	Western Blot : 1:500-1:1000 Immunohistochemistry (FFPE) : 1:10-1:50 Immunofluorescence : 1:100-1:200
Limitations	This Natriuretic peptide receptor C antibody is available for research use only.



Western blot testing of human 1) HeLa and 2) HL60 cell lysate with Natriuretic peptide receptor C antibody. Predicted molecular weight ~60 kDa.



IHC testing of FFPE human kidney tissue with Natriuretic peptide receptor C antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of fixed and permeabilized human HeLa cells with Natriuretic peptide receptor C antibody (green) and Hoechst 33342 nuclear stain (blue).

Description

Natriuretic peptide receptor C / NPRC is a receptor protein found in various tissues, including the heart, kidney, and blood vessels. Its main function is to bind to natriuretic peptides, which are hormones that help regulate blood pressure and fluid balance. When natriuretic peptides bind to Natriuretic peptide receptor C, they are degraded and their effects are blocked, leading to an increase in blood pressure. Natriuretic peptide receptor C also plays a role in the development of heart failure. Research has shown that increased levels of NPRC in the body can lead to impaired responses to natriuretic peptides, which in turn can contribute to the progression of heart failure. In addition to its role in cardiovascular health, NPRC has also been implicated in other diseases, such as obesity and diabetes. Studies have shown that NPRC levels are elevated in patients with these conditions, suggesting a potential link between Natriuretic peptide receptor C and metabolic disorders.

Application Notes

Titration of the Natriuretic peptide receptor C antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 67-97 from the human protein was used as the immunogen for the Natriuretic peptide receptor C antibody.

Storage

Aliquot the Natriuretic peptide receptor C antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.