ARG59876
anti-Natriuretic Peptide Receptor C (NPR C) antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Natriuretic Peptide Receptor C (NPR C)
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Natriuretic Peptide Receptor C (NPR C)
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 67-97 of Human Natriuretic Peptide Receptor C.
Conjugation	Un-conjugated
Alternate Names	GUCY2B; ANPRC; C5orf23; Atrial natriuretic peptide receptor 3; NPR-C; NPRC; Atrial natriuretic peptide receptor type C; Atrial natriuretic peptide clearance receptor; ANPR-C; ANP-C

Application Instructions

Application table

Application	Dilution
IHC-P	1:10 - 1:50
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~ 60 kDa

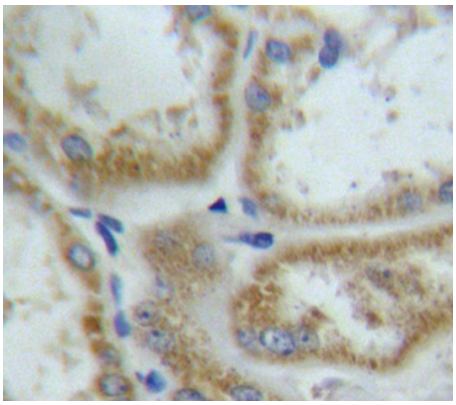
Properties

Form	Liquid
Purification	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

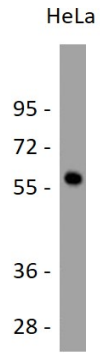
Gene Symbol	NPR3
Gene Full Name	natriuretic peptide receptor 3
Background	This gene encodes one of three natriuretic peptide receptors. Natriutetic peptides are small peptides which regulate blood volume and pressure, pulmonary hypertension, and cardiac function as well as some metabolic and growth processes. The product of this gene encodes a natriuretic peptide receptor responsible for clearing circulating and extracellular natriuretic peptides through endocytosis of the receptor. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Feb 2011]
Function	Receptor for the natriuretic peptide hormones, binding with similar affinities atrial natriuretic peptide NPPA/ANP, brain natriuretic peptide NPPB/BNP, and C-type natriuretic peptide NPPC/CNP. May function as a clearance receptor for NPPA, NPPB and NPPC, regulating their local concentrations and effects. May regulate diuresis, blood pressure and skeletal development. Does not have guanylate cyclase activity. [UniProt]
Calculated Mw	60 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



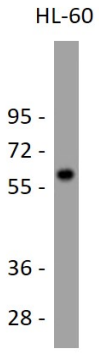
ARG59876 anti-Natriuretic Peptide Receptor C (NPR C) antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human kidney tissue stained with ARG59876 anti-Natriuretic Peptide Receptor C (NPR C) antibody.



ARG59876 anti-Natriuretic Peptide Receptor C (NPR C) antibody WB image

Western blot: 20 µg of HeLa whole cell lysate stained with ARG59876 anti-Natriuretic Peptide Receptor C (NPR C) antibody at 1:1000 dilution.



ARG59876 anti-Natriuretic Peptide Receptor C (NPR C) antibody WB image

Western blot: 20 µg of HL-60 whole cell lysate stained with ARG59876 anti-Natriuretic Peptide Receptor C (NPR C) antibody at 1:1000 dilution.