

Rabbit anti-Human Natriuretic Peptide Receptor C Polyclonal Antibody | anti-NPR3 antibody

Natriuretic Peptide Receptor C Antibody (N-term)

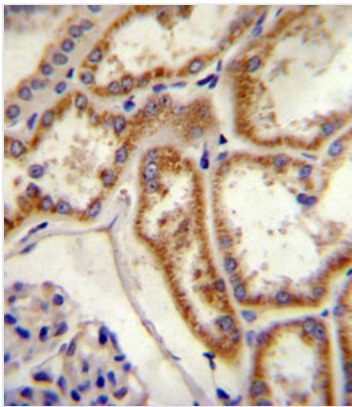
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284191	Rabbit	Human	ELISA, Immunohistochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

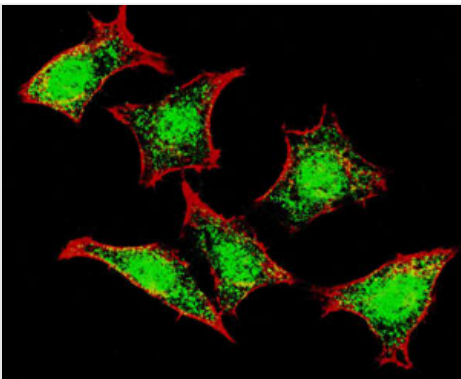
Natriuretic Peptide Receptor C; Polyclonal Antibody; Natriuretic Peptide Receptor C Antibody (N-term); Atrial natriuretic peptide receptor 3; Atrial natriuretic peptide clearance receptor; Atrial natriuretic peptide receptor type C; ANP-C; ANPR-C; NPR-C; NPR3; ANPRC; C5orf23; NPRC; anti-NPR3 antibody

PRODUCT SPECIFICATIONS

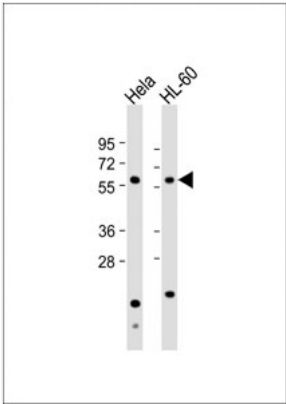
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Natriuretic Peptide Receptor C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 67-97 amino acids from the N-terminal region of human Natriuretic Peptide Receptor C.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Length	540
Applicable Applications for anti-NPR3 antibody	ELISA, IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot)
Cellular location	Membrane; Single-pass type I membrane protein
Antigen Region	67-97
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



Natriuretic NT
Natriuretic Natriuretic Peptide Receptor C (NPR3/ANPC) Antibody (N-term) (Cat#AAA284191)immunohistochemistry analysis informalin fixed and paraffin embedded human kidney tissue followed bY peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of Natriuretic Peptide Receptor C (NPR3/ANPC)Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Fluorescent
Fluorescent confocal image of HeLa cells stained with Natriuretic Peptide Receptor C(N-term) antibody. HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with AP8113a Natriuretic PeptideReceptor C (N-term) primary antibody (1:200, 2h at room temperature). For secondary antibody, 488 conjugated donkeyanti-rabbit antibody (green) was used (1:1000,1h). Nuclei were counterstained with Hoechst33342 (blue) (10 ?g/ml, 5 min). Note the highly specific localization of the Natriuretic PeptideReceptor C mainly to the mainly to the nucleus.



Application Data
Anti-ANPC (S82) at 1:1000dilution Lane 1: HeLa whole cell lysate Lane 2:HL-60 whole cell lysate Lysates/proteins at 20?g per lane. Secondary Goat Anti-Rabbit IgG,(H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 60 kD Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-NPR3 antibody	ANPC is a receptor for atrial natriuretic peptide. It does not exhibit guanylate cyclase activity. There seem to be at least three ANP receptors: two with guanylate cyclase activity (ANPA and ANPB) and one (ANPC) which is probably responsible for the clearance of ANP from the circulation without a role in signal transduction.
Product Categories/Family for anti-NPR3 antibody	Cardiovascular; Signal Transduction

References	References for protein: 1.Porter, J.G., et al., Biochem. Biophys. Res. Commun. 171(2):796-803 (1990). 2.Lowe, D.G., et al., Nucleic Acids Res. 18 (11), 3412 (1990). References for HeLa cell line: 1. Scherer WF, Syverton JT, Gey GO (May 1953). "Studies on the propagation in vitro of poliomyelitis viruses. IV. Viral multiplication in a stable strain of human malignant epithelial cells (strain HeLa) derived from an epidermoid carcinoma of the cervix". J. Exp. Med. 97 (5): 695-710. [PubMed:13052828]. 2. Macville M, Schröck E, Padilla-Nash H, Keck C, Ghadimi BM, Zimonjic D, Popescu N, Ried T (January 1999). "Comprehensive and definitive molecular cytogenetic characterization of HeLa cells by spectral karyotyping". Cancer Res. 59 (1): 141-50. [PubMed: 9892199]. 3. Rahbari R, Sheahan T, Modes V, Collier P, Macfarlane C, Badge RM (April 2009). "A novel L1 retrotransposon marker for HeLa cell line identification". BioTechniques 46 (4): 277-84. [PubMed: 19450234]. 4. Capes-Davis A, Theodosopoulos G, Atkin I, Drexler HG, Kohara A, MacLeod RA, Masters JR, Nakamura Y, Reid YA, Reddel RR, Freshney RI (July 2010). "Check your cultures! A list of cross-contaminated or misidentified cell lines". Int. J. Cancer 127 (1): 1-8. [PubMed:20143388].
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505441
NCBI GeneID	4883
NCBI Accession #	NP_000899.1; NP_001191304.1; NP_001191305.1
NCBI GenBank Nucleotide #	NM_000908.3
UniProt Accession #	P17342; A2RRD1; B4DT84; E7EPG9
NCBI Official Full Name	atrial natriuretic peptide receptor 3 isoform 2
NCBI Official Synonym Full Names	natriuretic peptide receptor 3
NCBI Official Symbol	NPR3
NCBI Official Synonym Symbols	NPRC; ANP-C; ANPRC; NPR-C; ANPR-C; GUCY2B; C5orf23
NCBI Protein Information	atrial natriuretic peptide receptor 3
UniProt Protein Name	Atrial natriuretic peptide receptor 3
UniProt Gene Name	NPR3
UniProt Synonym Gene Names	ANPRC; C5orf23; NPRC; ANP-C; ANPR-C; NPR-C
UniProt Entry Name	ANPRC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.