

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

Natriuretic Peptide Receptor C Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329018	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(88%), Bovine(88%), Horse(100%), Sheep(88%), Rabbit(100%), Dog(100%)	ELISA

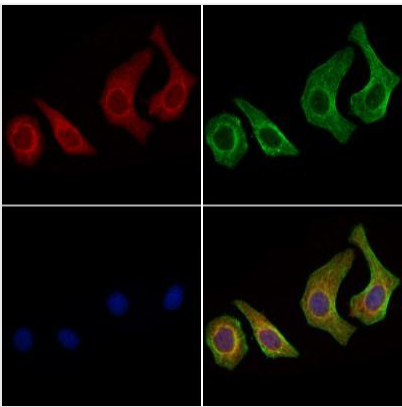
PRODUCT SYNONYMS

Natriuretic Peptide Receptor C; Polyclonal Antibody; Natriuretic Peptide Receptor C Antibody; ANP C; ANP-C; ANPC; ANPR-C; ANPRC; ANPRC_HUMAN; Atrial natriuretic peptide C type receptor; Atrial natriuretic peptide clearance receptor; Atrial natriuretic peptide receptor 3; Atrial natriuretic peptide receptor type C; Atrionatriuretic peptide receptor C; C5orf23; FLJ14054; GUCY2B; MGC22189; Natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C); Natriuretic peptide receptor C/guanylate cyclase C; NPR 3; NPR C; NPR-C; Npr3; NPRC; anti-NPR3 antibody

PRODUCT SPECIFICATIONS

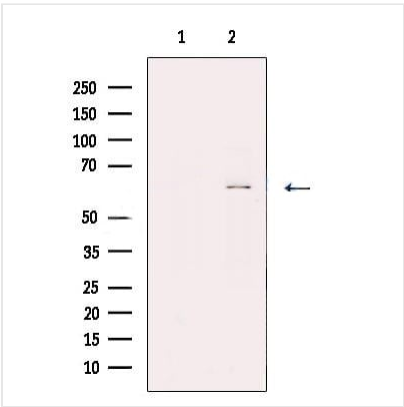
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(88%), Bovine(88%), Horse(100%), Sheep(88%), Rabbit(100%), Dog(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Natriuretic Peptide Receptor C Antibody detects endogenous levels of total Natriuretic Peptide Receptor C.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	324
Applicable Applications for anti-NPR3 antibody	ELISA
Immunogen	A synthesized peptide derived from human Natriuretic Peptide Receptor C, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA329018 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Å°C. Samples were then incubated with primary Ab(AAA329018 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37Å°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from HL-60, using Natriuretic Peptide Receptor C Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-NPR3 antibody	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.
	Subcellular Location: Membrane>Single-pass type I membrane protein.
	Subunit Structure: Homodimer; disulfide-linked (PubMed:11533490). Dimers can also be formed through the C-terminal cysteine of isoform 2 (PubMed:11533490). Interacts with OSTN (By similarity).
	Similarity: Belongs to the ANF receptor family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	324120923
NCBI GeneID	4883
NCBI Accession #	NP_001191305.1
NCBI GenBank Nucleotide #	NP_001191305.1
UniProt Accession #	P17342
Molecular Weight	Observed Molecular Weight: (Observed)59kD. Predicted Molecular Weight: (Calculated)60kDa.
NCBI Official Full Name	atrial natriuretic peptide receptor 3 isoform 3
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

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/natriuretic-peptide-receptor-c-antibody-elisa/329018>