

Rabbit NPR1 Polyclonal Antibody | anti-NPR1 antibody

NPR1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322740	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

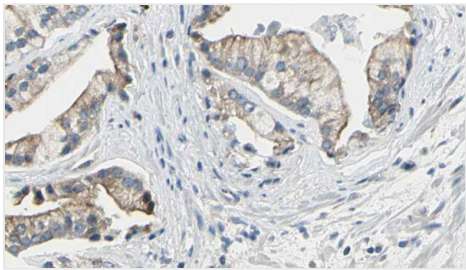
PRODUCT SYNONYMS

NPR1; Polyclonal Antibody; NPR1 Antibody; ANP-A; ANPa; ANPR-A; ANPRA; ANPRA_HUMAN; Atrial natriuretic peptide A type receptor; Atrial natriuretic peptide receptor 1; Atrial natriuretic peptide receptor A; Atrial natriuretic peptide receptor type A; Atrionatriuretic peptide receptor A; GC A; GC-A; Guanylate cyclase A; Guanylate cyclase; GUC2A; GUCY2A; Natriuretic peptide A type receptor; Natriuretic peptide receptor A/guanylate cyclase A; NPR-A; NPRA; anti-NPR1 antibody

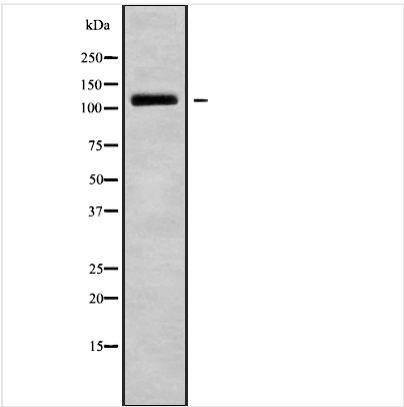
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NPR1 antibody detects endogenous levels of total NPR1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1061
Applicable Applications for anti-NPR1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NPR1
Subcellular Location	Membrane.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog
Similarity	Pig (91%), Bovine (91%), Sheep (91%), Rabbit (91%), Dog (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA322740 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis NPR1 using HT-29 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-NPR1 antibody	Function: Receptor for the atrial natriuretic peptide NPPA/ANP and the brain natriuretic peptide NPPB/BNP which are potent vasoactive hormones playing a key role in cardiovascular homeostasis. Has guanylate cyclase activity upon binding of the ligand. Subunit Structure: Homodimer. Post-translational Modifications: Phosphorylation of the protein kinase-like domain is required for full activation by ANP. Similarity: Belongs to the adenylyl cyclase class-4/guanylyl cyclase family.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	167830411
NCBI GeneID	4881
NCBI Accession #	NP_000897.3
NCBI GenBank Nucleotide #	NM_000906.3
UniProt Accession #	P16066; Q5SR08; Q6P4Q3; B0ZBF0
Molecular Weight	Observed: 119 kDa Predicted: 119 kDa
NCBI Official Full Name	atrial natriuretic peptide receptor 1
NCBI Official Synonym Full Names	natriuretic peptide receptor 1
NCBI Official Symbol	NPR1
NCBI Official Synonym Symbols	ANPa; NPRA; ANPRA; GUC2A; GUCY2A
NCBI Protein Information	atrial natriuretic peptide receptor 1
UniProt Protein Name	Atrial natriuretic peptide receptor 1
UniProt Gene Name	NPR1
UniProt Synonym Gene Names	ANPRA; ANP-A; ANPR-A; NPR-A; GC-A

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.