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Product datasheet for AP15071PU-N

Natriuretic Peptide Receptor A (NPR1) (N-term) Rabbit Polyclonal Antibody

Product data:

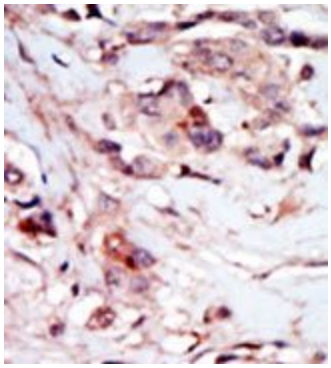
Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	ELISA: 1/1,000. Immunohistochemistry: 1/50 - 1/100. Immunofluorescence: 1/300.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human ANPA.
Specificity:	This antibody reacts to ANPA.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	natriuretic peptide receptor 1
Database Link:	Entrez Gene 4881 Human P16066

View online »

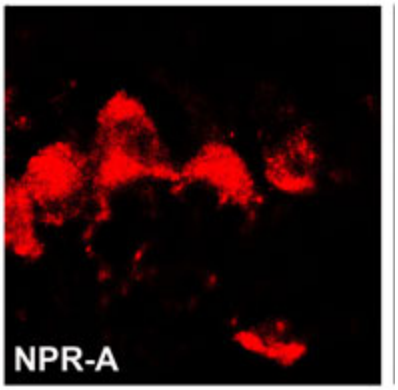
Background: ANPA is a receptor for atrial natriuretic peptide. It exhibits guanylate cyclase activity on binding of ANF. There seem to be at least three ANP receptors: two with guanylate cyclase activity (ANPA and ANPB) and one (ANPC) which is probably responsible for the clearance of ANP from the circulation without a role in signal transduction. This Type I membrane protein belongs to the adenylyl cyclase class-4/guanylyl cyclase family and contains 1 protein kinase-like domain.

Synonyms: ANP receptor A, ANP-A, NPR-A, Guanylate cyclase, GC-A, Atrial natriuretic peptide A-type receptor

Product images:



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.



Immunofluorescence confocal photomicrograph of vertical sections of the rat retina, stained with anti-ANPA (NPR-A).