

Datasheet for ABIN392702
anti-NPR1 antibody (N-Term)[Go to Product page](#)

1 Image

3 Publications

Overview

Quantity:	400 µL
Target:	NPR1
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPR1 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Natriuretic Peptide Receptor A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human Natriuretic Peptide Receptor A.
Clone:	RB03496
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	NPR1
Alternative Name:	Natriuretic Peptide Receptor A (NPR1/ANPA) (NPR1 Products)

Target Details

Background:	ANPA is a receptor for atrial natriuretic peptide. It exhibits guanylate cyclase activity on binding of ANP. 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.
Molecular Weight:	118919
Gene ID:	4881
NCBI Accession:	NP_000897
UniProt:	P16066

Application Details

Application Notes:	IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze-thaw cycles.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots.
Expiry Date:	6 months

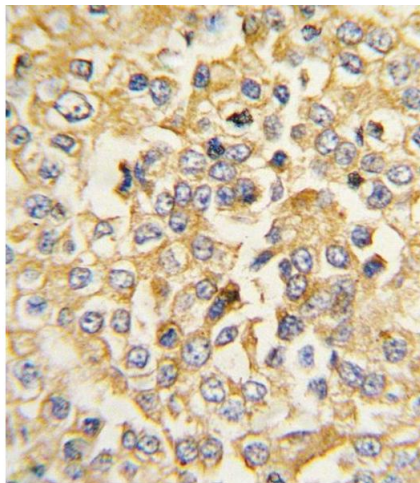
Publications

Product cited in:	Abdelalim, Masuda, Tooyama: "Expression of natriuretic peptide-activated guanylate cyclases by cholinergic and dopaminergic amacrine cells of the rat retina." in: Peptides , Vol. 29, Issue 4, pp. 622-8, (2008) (PubMed).
-------------------	--

Dams, Van Acker, Gustin, Vereycken, Bunkens, Holemans, Smeulders, Clayton, Ohagen, Hertogs: "A time-resolved fluorescence assay to identify small-molecule inhibitors of HIV-1 fusion." in: **Journal of biomolecular screening**, Vol. 12, Issue 6, pp. 865-74, (2007) ([PubMed](#)).

Tomescot, Leschik, Bellamy, Dubois, Messas, Bruneval, Desnos, Hagège, Amit, Itskovitz, Menasché, Pucéat: "Differentiation in vivo of cardiac committed human embryonic stem cells in postmyocardial infarcted rats." in: **Stem cells (Dayton, Ohio)**, Vol. 25, Issue 9, pp. 2200-5, (2007) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and raffin-embedded human breast carcinoma tissue reacted with Natriuretic Peptide Receptor A (NPR1/AN) antibody (N-term) (ABIN392702 and ABIN2842183) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.