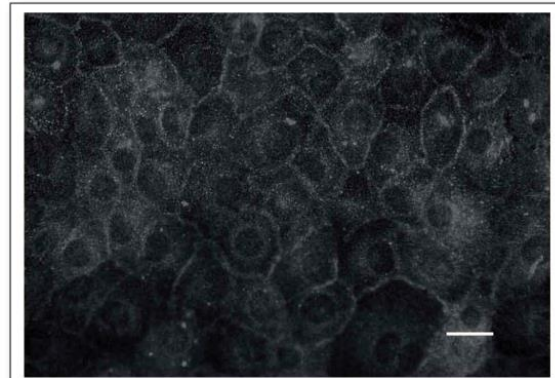


## Data Sheet

# HUMAN NATRIURETIC PEPTIDE RECEPTOR A [NPR-A] (aa 294-308)

## ANTIBODY, POLYCLONAL

<b>Catalog no.:</b>	AE1031.1 /AE 1031.2
<b>Immunogen:</b>	Synthetic human NPR-A (aa 294-308) KLH conjugated (LKQLKHLAYEQFNFT)
<b>Synonyms:</b>	Atrial natriuretic peptide receptor type A (ANPR-A, ANP-A), Guanylate cyclase A (GC-A)
<b>Swiss-Prot No:</b>	P16066
<b>Gene Information:</b>	Gene Name: NPR1, ANPRA GenelD: 4881
<b>Host:</b>	Rabbit
<b>Matrix:</b>	Serum
<b>Specificity:</b>	Human NPR-A; rat and mouse NPR-A
<b>Contents:</b>	20 µl / 100 µl (lyophilized) Resuspend in 20 µl / 100 µl aqua bidest.
<b>Known applications:</b>	Western Blot (1:1000-5000) <sup>1</sup> , immunohistochemistry (paraffin sections, 1:4000; cryosections, 1:300) <sup>1</sup> , immunocytochemistry (1:200) <sup>2</sup>  This antibody has not been tested for use in all applications. This does not necessarily exclude its use in non-tested procedures. The stated dilutions are recommendations only. End users should determine optimal dilutions in their system using appropriate negative/positive controls.
<b>Store at:</b>	2-8 °C (lyophilized); - 20 °C (dissolved)  Repeated thawing and freezing must be avoided
<b>References:</b>	1. Hirsch JR, Kruhoffer M, Adermann K, Heitland A, Maronde E, Meyer M, Forssmann WG, Herter P, Plenz G, Schlatter E (2001). Cellular localization, membrane distribution, and possible function of guanylyl cyclases A and 1 in collecting ducts of rat. <i>Cardiovasc Res.</i> <b>51</b> (3):553-561. 2. Klokckers J, Langehanenberg P, Kemper B, Kosmeier S, von Bally G, Riethmuller C, Wunder F, Sindic A, Pavenstadt H, Schlatter E, Edemir B (2009). Atrial natriuretic peptide and nitric oxide signaling antagonizes vasopressin-mediated water permeability in inner medullary collecting duct cells. <i>Am J Physiol Renal Physiol</i> <b>297</b> (3): F693-703.
<b>Last updated on:</b>	21 July 2016

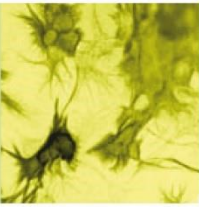
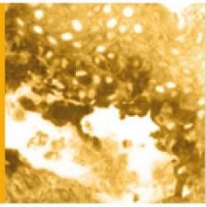


**Figure 1:** Immunocytochemistry image of NPR-A staining in cultured rat inner medullary collecting duct (IMCD) cells. The cells were grown on glass slides and fixed in 4% paraformaldehyde. The cells were incubated with AE1031 for 90 minutes, followed by an appropriate secondary antibody coupled to Alexa 488. Scale bar = 20µm.

Klokckers J et al. (2009) *Am J Physiol Renal Physiol* 297: F693–F703



Antibodies



**For research use only**

**Publishing research using AE1031? Please let us know so that we can cite your publication as a reference.**



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