



Datasheet for ABIN392706
anti-NPR3 antibody (N-Term)



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Overview

| | |
|----------------------|---|
| Quantity: | 200 µL |
| Target: | NPR3 |
| Binding Specificity: | AA 67-97, N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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| Immunogen: | This Natriuretic Peptide Receptor C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 67-97 amino acids from the N-terminal region of human Natriuretic Peptide Receptor C. |
| Clone: | RB03504 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |

Target Details

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| Target: | NPR3 |
| Alternative Name: | Natriuretic Peptide Receptor C (NPR3/ANPC) (NPR3 Products) |

Target Details

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| Background: | ANPC is a receptor for atrial natriuretic peptide. It does not exhibit guanylate cyclase activity. 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. |
| Molecular Weight: | 59808 |
| Gene ID: | 4883 |
| NCBI Accession: | NP_000899 , NP_001191304 , NP_001191305 |
| UniProt: | P17342 |
| Pathways: | cAMP Metabolic Process |

Application Details

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| Application Notes: | IF: 1:200. WB: 1:1000. IHC-P: 1:10~50 |
| Restrictions: | For Research Use only |

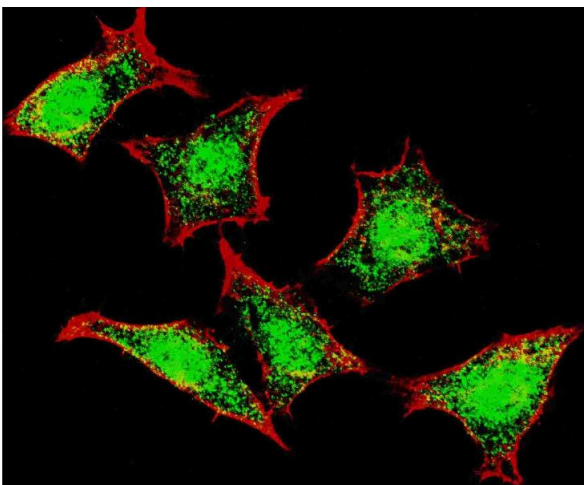
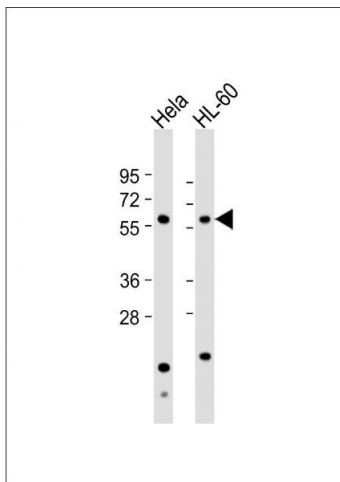
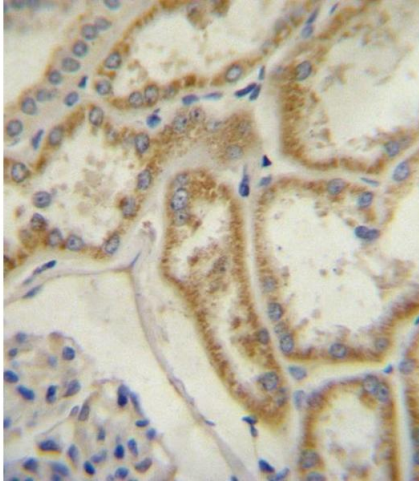
Handling

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| 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

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|-------------------|--|
| Product cited in: | Wibowo, Chuan, Seth, Cordoba, Lua, Middelberg: "Co-administration of non-carrier nanoparticles boosts antigen immune response without requiring protein conjugation." in: Vaccine , Vol. 32, Issue 29, pp. 3664-9, (2014) (PubMed). |
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Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Natriuretic Peptide Receptor C (NPR3/ANPC) Antibody (N-term) A immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Natriuretic Peptide Receptor C (NPR3/ANPC) Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. All lanes : Anti-ANPC Antibody (S82) at 1:1000 dilution Lane 1: HeLa whole cell lysate Lane 2: HL-60 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 60 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.

Immunofluorescence

Image 3. Fluorescent confocal image of HeLa cells stained with Natriuretic Peptide Receptor C (N-term) antibody. HeLa cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.2 %, 30 min). Cells were then incubated with (ABIN392706 and ABIN2842184) Natriuretic Peptide Receptor C (N-term) primary antibody (1:200, 2 h at room temperature). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 µg/mL, 5 min). Note the highly specific localization of the Natriuretic Peptide Receptor C mainly to

the mainly to the nucleus.