

## ANP recombinant antibody

Recombinant Anti-ANP Rabbit mAb

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                          |
|-----------|--------|--------------|-------------------------------------------------------|
| AAA266264 | Rabbit | Human, Mouse | Immunocytochemistry, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

ANP; Monoclonal Recombinant Antibody; Recombinant Anti-ANP Rabbit mAb; PND; Natriuretic peptides A; CDD-ANF; Prepronatriodilatin; ANP recombinant antibody

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                                 | Rabbit                                                                                                         |
| Reactivity                                           | Human, Mouse                                                                                                   |
| Clonality                                            | Monoclonal                                                                                                     |
| Specificity                                          | Recognizes endogenous levels of ANP protein                                                                    |
| Purity/Purification                                  | The antibody was purified by immunogen affinity chromatography.                                                |
| Form/Format                                          | Liquid in PBS, pH7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.                                |
| Applicable Applications for ANP recombinant antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                          |
| Immunogen                                            | KLH-conjugated synthetic peptide encompassing a sequence within human ANP. The exact sequence is proprietary.  |
| Preparation and Storage                              | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles. |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of ANP staining in COS7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 degree C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



#### WB (Western Blot)

Western blot analysis of ANP expression in HEK293T (A), THP1 (B), mouse brain (C) whole cell lysates. (Predicted band size: 16 kD; Observed band size: 15 kD)

### ADDITIONAL INFORMATION

|                                                          |                                               |
|----------------------------------------------------------|-----------------------------------------------|
| Related Product Information for ANP recombinant antibody | Recombinant rabbit monoclonal antibody to ANP |
| Product Categories/Family for ANP recombinant antibody   | Primary Antibody                              |

### NCBI AND UNIPROT INFORMATION

|           |        |
|-----------|--------|
| NCBI GI # | 178638 |
|-----------|--------|

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | 4878                                                                                                    |
| UniProt Accession #              | P01160; P05125                                                                                          |
| Molecular Weight                 | 16,708 Da                                                                                               |
| NCBI Official Full Name          | atrial natriuretic peptide                                                                              |
| NCBI Official Synonym Full Names | natriuretic peptide A                                                                                   |
| NCBI Official Symbol             | NPPA                                                                                                    |
| NCBI Official Synonym Symbols    | ANF; ANP; PND; ATFB6; CDD-ANF                                                                           |
| NCBI Protein Information         | natriuretic peptides A; atriopeptin; cardionatrin; prepronatriodilatin; natriuretic peptide precursor A |
| UniProt Protein Name             | Natriuretic peptides A                                                                                  |
| UniProt Gene Name                | NPPA                                                                                                    |
| UniProt Synonym Gene Names       | ANP; PND; CDP; ANF; ANP                                                                                 |
| UniProt Entry Name               | ANF_HUMAN                                                                                               |

**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.

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