Anti-Natriuretic peptides A Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014859

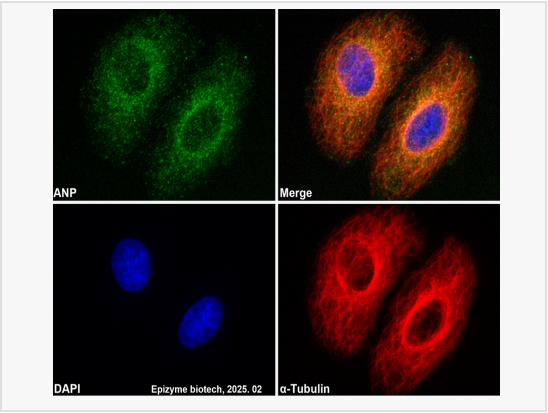
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	30C90F76
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human ANP
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Natriuretic peptides A Rabbit mAb [30C90F76] is for research use only and not for use in diagnostic or therapeutic procedures.

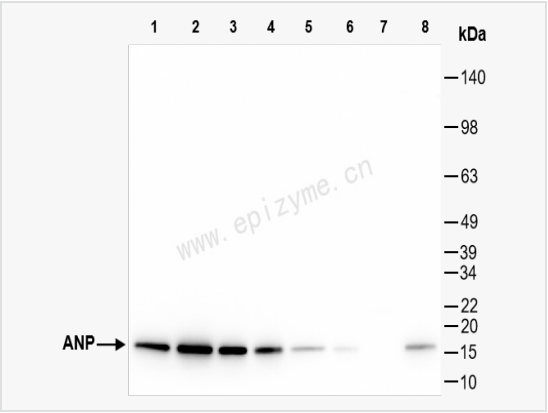
Protein Information

Synonyms	ANF, ANF_HUMAN, ANP, ATFB6, Atrial natriuretic factor, Atrial natriuretic peptide, Atriopeptin, Cardiodilatin, Cardiodilatin related peptide, Cardiodilatin-related peptide, Cardionatrin, CDD ANF, CDD, CDD-ANF, CDP, Natriuretic peptide A, Natriuretic peptide precursor A, NPPA, PND, Prepronatriodilatin.
Calculated MW	Calculated MW: 16 kDa; Observed MW: 16 kDa
Uniprot ID	P01160
Gene ID	4878
Background	The protein encoded by this gene belongs to the natriuretic peptide family. Natriuretic peptides are implicated in the control of extracellular fluid volume and electrolyte homeostasis. This protein is synthesized as a large precursor (containing a signal peptide), which is processed to release a peptide from the N-terminus with similarity to vasoactive peptide, cardiodilatin, and another peptide from the C-terminus with natriuretic-diuretic activity. Mutations in this gene have been associated with atrial fibrillation familial type 6. This gene is located adjacent to another member of the natriuretic family of peptides on chromosome 1. [provided by RefSeq, Oct 2015]
Cellular Location	Secreted.

Validation Images



Immunofluorescence - Anti-Natriuretic peptides A Rabbit mAb [30C90F76]
Sample: Hela cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R014859 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).



Western Blot - Anti-Natriuretic peptides A Rabbit mAb [30C90F76]
All lanes: R014859 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: U2OS (Human osteosarcoma epithelial cell) whole cell lysates
Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 6: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates
Lane 7: 293T (Human embryonic kidney cell) whole cell lysates
Lane 8: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 16 kDa
Observed band size: 16 kDa
Developed using the ECL technique (Cat. No. SQ201).