

# Anti-ANP Antibody [JM08-36]

ET1705-75



<b>Product Type:</b>	Recombinant Rabbit monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human
<b>Applications:</b>	WB, IP
<b>Molecular Wt:</b>	Predicted band size: 16 kDa
<b>Clone number:</b>	JM08-36

**Description:** Natriuretic peptides comprise a family of 3 structurally related molecules: atrial natriuretic peptide (ANP), brain natriuretic peptide (BNP), and C-type natriuretic peptide (CNP). ANP and BNP act mainly as cardiac hormones, produced primarily by the atrium and ventricle, respectively, while the gene encoding C-type natriuretic peptide is expressed mainly in the brain. These peptides possess potent natriuretic, diuretic, and vasodilating activities and are implicated in body fluid homeostasis and blood pressure control. ANP, BNP, and CNP are highly homologous within the 17-residue ring structure formed by an intramolecular disulfide linkage. The genes which encode for ANP and BNP map to human chromosome 1p36.2. The gene which encodes for CNP maps to human chromosome 2q24-qter.

**Immunogen:** Synthetic peptide within Human ANP aa 102-151 / 151.

**Positive control:** Human skeletal muscle tissue lysate.

**Subcellular location:** Cell projection, Secreted.

**Database links:** SwissProt: P01160 Human

**Recommended Dilutions:**

**WB** 1:500-1:2,000  
**IP** Use at an assay dependent concentration.

**Storage Buffer:** 1\*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

**Purity:** Protein A affinity purified.

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Orders: 0086-571-88062880

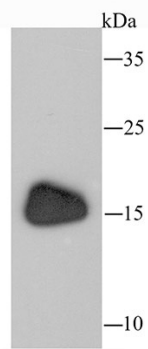
Technical:0086-571-89986345

Service mail: support@huabio.cn

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## Images



**Fig1:** Western blot analysis of ANP on human skeletal muscle tissue lysate using anti-ANP antibody at 1/1,000 dilution.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

## Background References

1. Zheng C et al. Gastrodin Inhibits Store-Operated Ca(2+) Entry and Alleviates Cardiac Hypertrophy. *Front Pharmacol* 8:222 (2017).
2. Christoforou N et al. Transcription factors MYOCD, SRF, Mesp1 and SMARCD3 enhance the cardio-inducing effect of GATA4, TBX5, and MEF2C during direct cellular reprogramming. *PLoS One* 8:e63577 (2013).