



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB11166 - Goat Anti-Atrial natriuretic factor Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ANF, ANP, ATRFB6, atrial natriuretic factor, atriopeptin, cardionatrin, CDD-ANF, natriuretic peptide A, natriuretic peptide precursor A, PND, prepronatriodilatin, NPPA

**Official Symbol:** NPPA

**Accession Number(s):** NP\_006163.1

**Human GeneID(s):** [4878](#)

**Non-Human GeneID(s):** 230899 (mouse), 24602 (rat)

**Important Comments:** The immunizing peptide represents aa137-150 of the precursor NPPA.

### Immunogen

Peptide with sequence RIGAQSLGCSNFR, from the C Terminus of the protein sequence according to NP\_006163.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 19kDa band observed in Mouse and Rat Heart lysates (calculated MW of 16.4kDa according to Human precursor NP\_006163.1 and 16.6kDa according to Mouse precursor NP\_032751.1). Recommended concentration: 0.01-0.03µg/ml.

**IHC:** In paraffin embedded Human Heart shows vesicular staining inside the cardiac fibrils, accumulating towards the cell membrane. Recommended concentration, 5-10µg/ml.

### Species Reactivity

**Tested:** Human, Mouse, Rat

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow

### Specific Reference

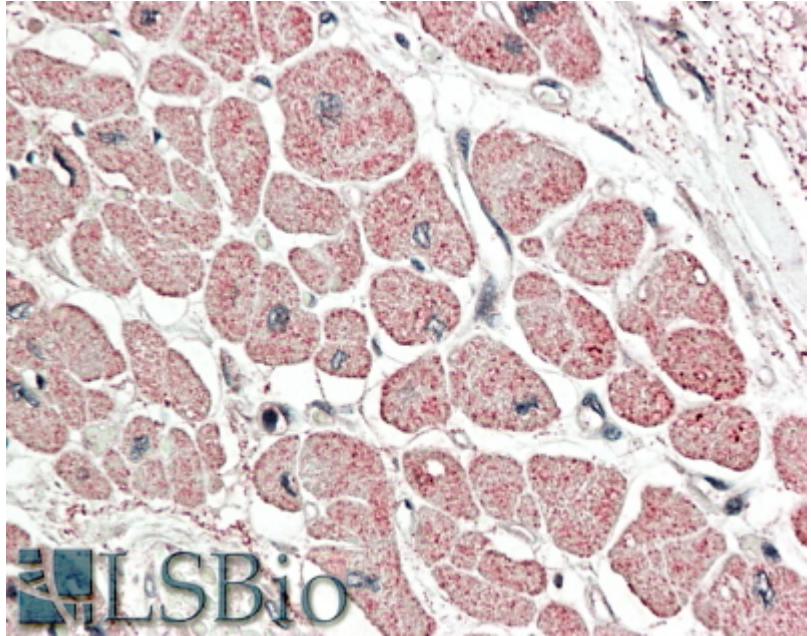
**This antibody has been successfully used in Western blot on Mouse:**

Benitez-Amaro A, Revuelta-López E, Bornachea O, Cedó L, Veá À, Herrero L, Roglans N, Soler-Botija C, de Gonzalo-Calvo D, Nasarre L, Camino-López S, García E, Mato E, Blanco-Vaca F, Bayes-Genis A, Sebastian D, Laguna JC, Serra D, Zorzano A, Escola-Gil JC, Llorente-Cortes V

Low-density lipoprotein receptor-related protein 1 deficiency in cardiomyocytes reduces susceptibility to insulin resistance and obesity

Metabolism. 2020 Feb 26;106:154191.

PMID: 32112822



EB11166 (5µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB11166 (0.01µg/ml) staining of Mouse Heart lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.