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EB11166 - Goat Anti-Atrial natriuretic factor Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: ANF, ANP, ATFB6, 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 GenelD(s): <u>4878</u> Non-Human GenelD(s): 230899 (mouse), 24602 (rat) Important Comments: The immunizing peptide represents aa137-150 of the precursor

Immunogen

NPPA.

Peptide with sequence RIGAQSGLGCNSFR, 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, Vea À, Herrero L, Roglans N, Soler-Botija C, de Gonzalo-Calvo D, Nasarre L, Camino-López S, García E, Mato

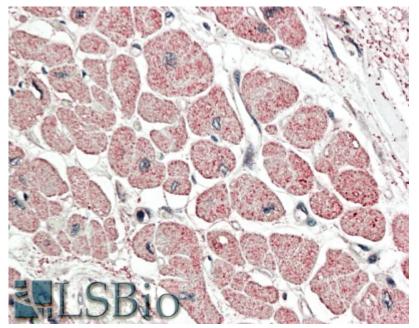
- E, Blanco-Vaca F, Bayes-Genis A, Sebastian D, Laguna JC, Serra D, Zorzano
- A, Escola-Gil JC, Llorente-Cortes V

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

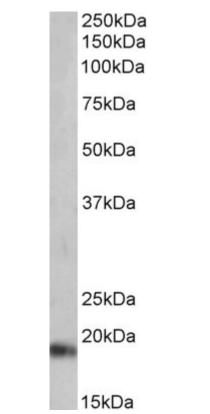
Metabolism. 2020 Feb 26;106:154191.

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.