

**PAA485Hu01**

**Polyclonal Antibody to N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP)**

**Organism Species: Homo sapiens (Human)**

***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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9th Edition (Revised in Jul, 2013)

## **[ PRODUCT INFORMATION ]**

**Immunogen:** NT-ProBNP-OVA

**Purification:** Affinity Chromatography.

**Clonality:** Polyclonal

**Applications:** WB, ICC, IHC-P, IHC-F, ELISA

**Host:** Rabbit

**Concentration:** 200µg/mL

**Immunoglobulin Type:** IgG

**UOM:** 100µg

## **[ IMMUNOGEN INFORMATION ]**

**Immunogen:** Synthetic Peptide, NT-ProBNP conjugated to OVA.

**Accession No.:** CPA485Hu71

**Sequence:** The target peptide sequence is listed below.

RIGSVSRLGCNA

## **[ RELEVANCE ]**

N-Terminal Pro-Brain Natriuretic Peptide (NT-ProBNP) is a 76 amino acid N-terminal protein that is cleaved to release brain natriuretic peptide. Both BNP and NT-proBNP levels in the blood are used for screening, diagnosis of acute congestive heart failure (CHF) and may be useful to establish prognosis in heart failure, as both markers are typically higher in patients with worse outcome. The plasma concentrations of both BNP and NT-proBNP are also typically increased in patients with asymptomatic or symptomatic left ventricular dysfunction and is associated with coronary artery disease and myocardial ischemia.

## **[ ANTIBODY SPECIFICITY ]**

The antibody is a rabbit polyclonal antibody raised against NT-ProBNP conjugated to OVA. It has been selected for its ability to recognize NT-ProBNP in immunohistochemical staining and western blotting.

## **[ APPLICATIONS ]**

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

## **[ CONTENTS ]**

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02% NaN<sub>3</sub>, 50% glycerol.

## **[ STORAGE ]**

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.