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## **NPR1 (vPair™) Antibodies**

**Cat#: R3131-vp**

**Lot#: Refer to vial**

**Predicted | Observed MW: 119 kDa**

**Uniprot ID: P16066**

**Application: WB**

**Quantity:** 50 ul NPR1 (N) (R3131-1) Rabbit Polyclonal Antibody &  
50 ul NPR1 (M) (R3131-2) Rabbit Polyclonal Antibody

### **Product Introduction:**

vPair™ antibodies represent a pair of fully characterized antibodies that recognize two different regions of a target protein. The product is developed by Abiocode to address whether the signal observed truly represents the protein of interest, an often encountered issue in antibody-based assays. The use of a pair of fully characterized vPair™ antibodies in the same assay can validate signal specificity since vPair™ antibodies recognize two independent epitopes of the same protein. Different sets of vPair™ antibodies are developed at Abiocode to work with specific applications, including antibody arrays, Western blot, IP-Western, ChIP, IHC, and FACS.

### **Background:**

Atrial natriuretic peptide receptor 1 (NPR1) is a single pass type I membrane protein. NPR1 is a receptor for the atrial natriuretic peptide NPPA/ANP and the brain natriuretic peptide NPPB/BNP, which are potent vasoactive hormones playing a key role in cardiovascular homeostasis. NPR1 has guanylate cyclase activity upon binding of the ligand.

### **Other Names:**

Atrial natriuretic peptide receptor 1, Atrial natriuretic peptide receptor type A, ANP-A, ANPR-A, NPR-A, Guanylate cyclase A, GC-A

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the N-terminal [NPR1 (N) (R3131-1)] or the middle [NPR1 (M) (R3131-2)] region of human NPR1. Antibodies were purified by affinity purification using immunogen.

### **Storage Buffer and Condition:**

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN<sub>3</sub>. Store at -20 °C. Stable for 6 months from date of receipt.

**Species Specificity:**

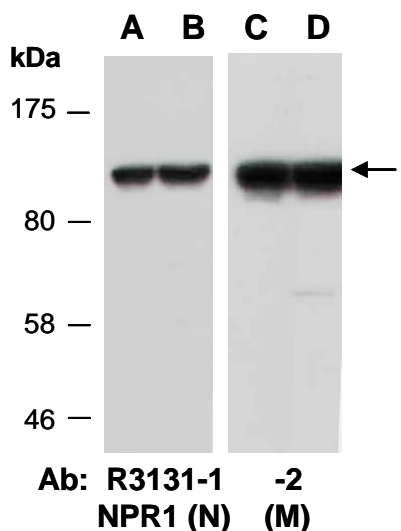
Human

**Tested Applications:**

WB: 1:1,000-1:3,000 (detect endogenous protein\*)

\*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

**Product Data:**



**Fig 1.** Western blot of total cell extracts from A, C) human HeLa, B, D) human Jurkat; using 2 independent Abs against 2 distinct regions of human NPR1 at RT for 2 h.