



## PRRX1 Antibody

CATALOG NUMBER: 46-231



Western Blot (1ug/ml) staining of Human Heart lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	ELISA: antibody detection limit dilution 1:4000. Western Blot: Approx 28kDa band observed in Human Heart lysates (calculated MW of 27.3kDa according to NP_073207.1). Recommended concentration: 1-3ug/ml.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1301 - Human Heart Tissue Lysate
<b>SPECIFICITY:</b>	This antibody is expected to recognise both reported isoforms (NP_008833.1; NP_073207.1).
<b>IMMUNOGEN:</b>	PRRX1 antibody was raised against an 11 amino acid synthetic peptide near the internal region of PRRX1.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	PRRX1 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	PRRX1 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	PRRX1, paired related homeobox 1, PHOX1, PMX1, PRX1, homeobox protein PHOX1, paired mesoderm homeo box 1, paired mesoderm homeobox 1
<b>ACCESSION NO.:</b>	NP_008833.1, NP_073207.1
<b>PROTEIN GI NO.:</b>	5902024
<b>OFFICIAL SYMBOL:</b>	PRRX1

GENE ID: 5396

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### Background

**REFERENCES:** 1) Kim YJ, Ahn JY, Liang P, Ip C, Zhang Y, Park YM. Human prx1 gene is a target of Nrf2 and is up-regulated by hypoxia/reoxygenation: implication to tumor biology. Cancer Res. 2007 Jan 15;67(2):546-54.

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FOR RESEARCH USE ONLY

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