

## Goat anti-PRRX1 Antibody

**Item Number** dAP-1242

**Target Molecule** Principle Name: PRRX1; Official Symbol: PRRX1; All Names and Symbols: PRRX1; paired related homeobox 1; PHOX1; PMX1; PRX1; homeobox protein PHOX1; paired mesoderm homeo box 1; paired mesoderm homeobox 1; Accession Number (s): NP\_008833.1; NP\_073207.1; Human Gene ID(s): 5396; Non-Human GenelD(s): 18933 (mouse)

**Immunogen** GSDTPQQDNDQ, is from internal region  
This antibody is expected to recognise both reported isoforms (NP\_008833.1; NP\_073207.1).

**Applications** Pep ELISA, WB, IHC

Species Tested: Human

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

**Supplied As** lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.

**Peptide ELISA** Peptide ELISA: antibody detection limit dilution 1 to 4000.

**Western Blot** Western Blot: Approx 28kDa band observed in Human Heart lysates (calculated MW of 27.3kDa according to NP\_073207.1). Recommended concentration: 1-3µg/ml.

**IHC** Immunohistochemistry: Paraffin embedded Human Uterus. Recommended concentration: 5µg/ml.

**Reference** Reference(s): 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.. PMID: 17234762 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**