



Anti-PRRX1 polyclonal antibody (DPAB-DC2295)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | The DNA-associated protein encoded by this gene is a member of the paired family of homeobox proteins localized to the nucleus. The protein functions as a transcription co-activator, enhancing the DNA-binding activity of serum response factor, a protein required for the induction of genes by growth and differentiation factors. The protein regulates muscle creatine kinase, indicating a role in the establishment of diverse mesodermal muscle types. Alternative splicing yields two isoforms that differ in abundance and expression patterns. |
| Specificity | This antibody is expected to recognize both reported isoforms (NP_008833.1, NP_073207.1). |
| Immunogen | A synthetic peptide corresponding to human PRRX1. The sequence is C-GSDTPQQDNDQ |
| Source/Host | Goat |
| Species Reactivity | Human |
| Purification | Antigen affinity purification |
| Conjugate | Unconjugated |
| Applications | WB (Tissue lysate), ELISA, |
| Format | Liquid |
| Concentration | 0.5 mg/mL |
| Size | 100 µg |
| Buffer | In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide) |
| Preservative | 0.02% Sodium Azide |

Storage

Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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| Gene Name | PRRX1 paired related homeobox 1 [Homo sapiens (human)] |
| Official Symbol | PRRX1 |
| Synonyms | PRRX1; paired related homeobox 1; PMX1; PRX1; AGOTC; PHOX1; PRX-1; paired mesoderm homeobox protein 1; homeobox protein PHOX1; paired mesoderm homeobox 1 isoform pmx-1b; |
| Entrez Gene ID | 5396 |
| Protein Refseq | NP_008833 |
| UniProt ID | P54821 |
| Chromosome Location | 1q24 |
| Function | HMG box domain binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription coactivator activity |
