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PRRX2 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP19763b

Specification

PRRX2 Blocking Peptide (C-term) - Product Information

Primary Accession	Q99811
Other Accession	Q06348, NP_057391.1

PRRX2 Blocking Peptide (C-term) - Additional Information

Gene ID 51450

Other Names
Paired mesoderm homeobox protein 2, Paired-related homeobox protein 2, PRX-2, PRRX2, PMX2, PRX2

Target/Specificity
The synthetic peptide sequence is selected from aa 238-250 of HUMAN PRRX2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PRRX2 Blocking Peptide (C-term) - Protein Information

Name PRRX2

Synonyms PMX2, PRX2

Function
May play a role in the scarless healing of cutaneous wounds during the first two trimesters of development.

Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000255|PROSITE-ProRule:PRU00138}

Tissue Location
In fetal skin, highest expression found in cells of mesodermal origin within the dermal papilla of the developing hair shaft. Not detected in epidermis or dermis. In adult skin, weakly expressed within the basal layers of the epidermis. Not expressed in dermis.

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PRRX2 Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

PRRX2 Blocking Peptide (C-term) - Images

PRRX2 Blocking Peptide (C-term) - Background

The DNA-associated protein encoded by this gene is a member of the paired family of homeobox proteins. Expression is localized to proliferating fetal fibroblasts and the developing dermal layer, with downregulated expression in adult skin. Increases in expression of this gene during fetal but not adult wound healing suggest a possible role in mechanisms that control mammalian dermal regeneration and prevent formation of scar response to wounding. The expression patterns provide evidence consistent with a role in fetal skin development and a possible role in cellular proliferation.

PRRX2 Blocking Peptide (C-term) - References

Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :
Eriksson, N., et al. PLoS Genet. 6 (6), E1000993 (2010) :
Tokutomi, Y., et al. Biochem. Biophys. Res. Commun. 364(4):822-830(2007)
Wissmuller, S., et al. Nucleic Acids Res. 34(6):1735-1744(2006)
Gervais, C., et al. Leukemia 19(1):145-148(2005)