

PRRX2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19763b

Product Information

Application	WB, E
Primary Accession	Q99811
Other Accession	Q06348 , NP_057391.1
Reactivity	Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37428
Calculated MW	27079
Antigen Region	223-250

Additional Information

Gene ID	51450
Other Names	Paired mesoderm homeobox protein 2, Paired-related homeobox protein 2, PRX-2, PRRX2, PMX2, PRX2
Target/Specificity	This PRRX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 223-250 amino acids from the C-terminal region of human PRRX2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PRRX2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

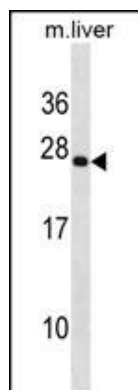
Background

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.

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)

Images



PRRX2 Antibody (C-term) (Cat. #AP19763b) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the PRRX2 antibody detected the PRRX2 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.