

Datasheet for ABIN2781006

anti-PRRX2 antibody (N-Term)[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	100 µL
Target:	PRRX2
Binding Specificity:	N-Term
Reactivity:	Mouse, Human, Rat, Horse, Pig, Cow, Dog, Rabbit, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRRX2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PRRX2
Sequence:	RKNFSVSHLL DLEEVAAAGR LAARPGARAE AREGAAREPS GGSSGSEAAP
Predicted Reactivity:	Cow: 79%, Dog: 79%, Guinea Pig: 79%, Horse: 79%, Human: 100%, Mouse: 79%, Pig: 93%, Rabbit: 79%, Rat: 79%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against PRRX2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PRRX2
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Target Details

Alternative Name:	PRRX2 (PRRX2 Products)
Background:	<p>PRRX2 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. 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.</p> <p>Alias Symbols: MGC19843, PMX2, PRX2</p> <p>Protein Interaction Partner: SOX10,</p> <p>Protein Size: 253</p>
Molecular Weight:	27 kDa
Gene ID:	51450
NCBI Accession:	NM_016307 , NP_057391
UniProt:	Q99811

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 253 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

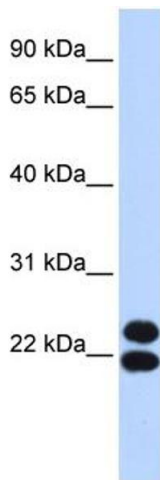
Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Tokutomi, Araki, Kataoka, Yamamoto, Kim-Mitsuyama: "Oxidation of Prx2 and phosphorylation of GRP58 by angiotensin II in human coronary smooth muscle cells identified by 2D-DIGE analysis." in: Biochemical and biophysical research communications , Vol. 364, Issue 4, pp. 822-30, (2007) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-PRRX2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: 293T cell lysate