

# PDPR Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12014b

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q8NCN5</a>
<b>Other Accession</b>	<a href="#">NP_060460.4</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB31653
<b>Calculated MW</b>	99364
<b>Antigen Region</b>	821-850

## Additional Information

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<b>Gene ID</b>	55066
<b>Other Names</b>	Pyruvate dehydrogenase phosphatase regulatory subunit, mitochondrial, PDPr, PDPR, KIAA1990
<b>Target/Specificity</b>	This PDPR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 821-850 amino acids from the C-terminal region of human PDPR.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	PDPR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	PDPR
<b>Synonyms</b>	KIAA1990
<b>Function</b>	Decreases the sensitivity of PDP1 to magnesium ions, and this inhibition is

reversed by the polyamine spermine.

## Cellular Location

Mitochondrion matrix.

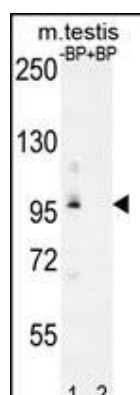
## Background

PDPR decreases the sensitivity of PDP1 to magnesium ions, and this inhibition is reversed by the polyamine spermine (By similarity).

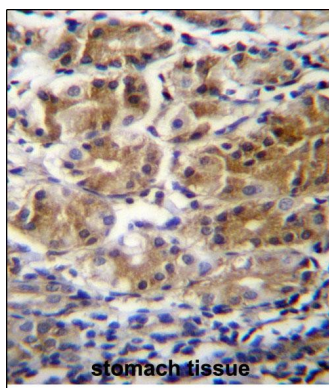
## References

Sugden, M.C., et al. Am. J. Physiol. Endocrinol. Metab. 284 (5), E855-E862 (2003) : Ohara, O., et al. DNA Res. 9(2):47-57(2002) Lawson, J.E., et al. J. Biol. Chem. 272(50):31625-31629(1997)

## Images



Western blot analysis of PDPR Antibody (C-term) Pab (Cat. #AP12014b) pre-incubated without (lane 1) and with (lane 2) blocking peptide in mouse testis tissue lysate. PDPR Antibody (C-term) (arrow) was detected using the purified Pab.



PDPR Antibdy (C-term) (Cat. #AP12014b) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PDPR Antibdy (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

## Citations

- [MiR-195 modulates oxidative stress-induced apoptosis and mitochondrial energy production in human trophoblasts via flavin adenine dinucleotide-dependent oxidoreductase domain-containing protein 1 and pyruvate dehydrogenase phosphatase regulatory subunit.](#)

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