10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PDPR Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12014b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q8NCN5
Other Accession	NP_060460.4
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31653
Calculated MW	99364
Antigen Region	821-850

Additional Information

Gene ID	55066
Other Names	Pyruvate dehydrogenase phosphatase regulatory subunit, mitochondrial, PDPr, PDPR, KIAA1990
Target/Specificity	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.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	PDPR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PDPR
Synonyms	KIAA1990

Function	Decreases the sensitivity of PDP1 to magnesium ions, and this inhibition is reversed by the polyamine spermine.
Cellular Location	Mitochondrion matrix.

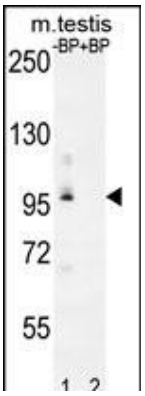
Background

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

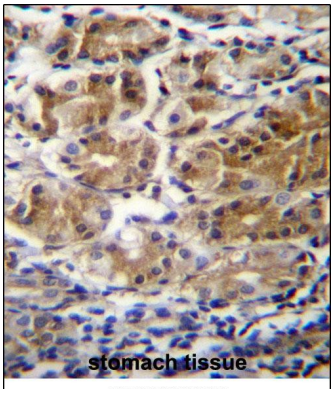
References

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.

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