PDPR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PDPR, Polyclonal Antibody
Full Product Name	PDPR, CT (PDPR, KIAA1990, Pyruvate dehydrogenase phosphatase regulatory subunit, mitochondrial) (MaxLight 490)
Product Gene Name	anti-PDPR antibody
Product Synonym Names	PDPR; KIAA1990; Pyruvate dehydrogenase phosphatase regulatory subunit, mitochondrial
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	25,877 Da
3D Structure	ModBase 3D Structure for Q8NCN5
Immunogen	PDPR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 828-858 amino acids from the C-terminal region of human PDPR.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-PDPR antibody	Antibodies; Mitochondrial Proteins
Applications Tested/Suitable for anti-PDPR antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-PDPR antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-PDPR antibody	PDPR decreases the sensitivity of PDP1 to magnesium ions, and this inhibition is reversed by the polyamine spermine (By similarity).
Product References and Citations for anti-PDPR antibody	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).
Other Notes	Small volumes of anti-PDPR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for PDPR purchase	MBS6332524 is an antibody targeting PDPR. Also known as PDPR, CT (PDPR, KIAA1990, Pyruvate dehydrogenase phosphatase regulatory subunit, mitochondrial) (MaxLight 490). Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PDPR. It may not necessarily be applicable to this product.

NCBI GI #	194306651
NCBI GeneID	55066
NCBI Accession #	NP_060460.4
UniProt Primary Accession #	Q8NCN5
UniProt Secondary Accession #	Q6AI20; Q6AWC9; A7E298; A8K8Y7; B3KSE1
UniProt Related Accession #	Q8NCN5
GenBank Nucleotide #	NM_017990.3
NCBI Official Full Name	pyruvate dehydrogenase phosphatase regulatory subunit, mitochondrial
NCBI Official Synonym Full Names	pyruvate dehydrogenase phosphatase regulatory subunit
NCBI Official Symbol	PDPR
NCBI Official Synonym Symbols	PDP3
UniProt Protein Name	Pyruvate dehydrogenase phosphatase regulatory subunit, mitochondrial
Protein Family	Pyruvate dehydrogenase phosphatase regulatory
UniProt Gene Name	PDPR
UniProt Synonym Gene Names	KIAA1990; PDPr
NCBI Protein Information	pyruvate dehydrogenase phosphatase regulatory subunit, mitochondrial
UniProt Comments for PDPR	Decreases the sensitivity of PDP1 to magnesium ions, and this inhibition is reversed by the polyamine spermine.
Research Articles on PDPR	**1.** Observational study of gene-disease association. (HuGE Navigator)
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