QPRT Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	QPRT, Polyclonal Antibody
Full Product Name	QPRT (Quinolinate Phosphoribosyltransferase, QPRTase) (MaxLight 750)
Product Gene Name	anti-QPRT antibody
Product Synonym Names	Quinolinate Phosphoribosyltransferase; QPRTase
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified
Specificity	Recognizes human QPRT.
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 amo
OMIM	606248
3D Structure	ModBase 3D Structure for Q15274
Immunogen	QPRT (NP_055113.2, 1aa-297aa) full-length human protein.
Immunogen Sequence	MDAEGLALLLPPVTLAALVDSWLREDCPGLNYAALVSGAGPSQAALWAKSPGVLAGQPFFDAIFTQLNCQVSWFLPEGSKLVPVARVAEVRGPAHCLLL
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-QPRT antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-QPRT antibody	Western Blot (WB)
Application Notes for anti-QPRT antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-QPRT antibody	This gene encodes a key enzyme in catabolism of quinolinate, an intermediate in the tryptophan-nicotinamide adenine dinucleotide pathway. Quinolina

Other Notes	Small volumes of anti-QPRT antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess
Searchable Terms for QPRT purchase	MBS6451507 is an antibody targeting QPRT. Also known as QPRT (Quinolinate Phosphoribosyltransferase, QPRTase) (MaxLight 750). Reactive in Hu

ADDITIONAL DETAILS

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

NCBI GI #	45269149
NCBI GeneID	23475
NCBI Accession #	NP_055113.2
UniProt Primary Accession #	Q15274
UniProt Secondary Accession #	Q53XW7; Q96G22; Q9BSG6
UniProt Related Accession #	Q15274
GenBank Nucleotide #	NM_014298.3
NCBI Official Full Name	nicotinate-nucleotide pyrophosphorylase
NCBI Official Synonym Full Names	quinolinate phosphoribosyltransferase
NCBI Official Symbol	QPRT
NCBI Official Synonym Symbols	QPRTase; HEL-S-90n
UniProt Protein Name	Nicotinate-nucleotide pyrophosphorylase [carboxylating]
UniProt Synonym Protein Names	Quinolinate phosphoribosyltransferase [decarboxylating]; QAPRTase; QPRTase
Protein Family	Nicotinate-nucleotide pyrophosphorylase
UniProt Gene Name	QPRT
UniProt Synonym Gene Names	QAPRTase; QPRTase
UniProt Entry Name	NADC_HUMAN
NCBI Protein Information	nicotinate-nucleotide pyrophosphorylase [carboxylating]; nicotinate-nucleotide pyrophosphorylase [carboxylating]; QAPRTase; epididymis secretory sperm binding protein Li 90n; nicotinate-nucleotide pyrophosphorylase (carboxylating)
UniProt Comments for QPRT	QPRT: Involved in the catabolism of quinolinic acid (QA). Belongs to the NadC/ModD family. Protein type: Transferase; Cofactor and Vitamin Metabolism - nicotinate and nicotinamide; EC 2.4.2.19 Chromosomal Location of Human Ortholog: 16p11.2 Cellular Component: cytoplasm; cytosol Molecular Function: protein homodimerization activity; nicotinate-nucleotide diphosphorylase (carboxylating) activity Biological Process: NAD biosynthetic process; vitamin metabolic process; NAD metabolic process; water-soluble vitamin metabolic process; protein oligomerization
Research Articles on QPRT	**1.** Report of the crystal structure of human QPRT bound to its inhibitor phthalic acid (PHT) and kinetic analysis of PHT inhibition of human QPRT.

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