

Rabbit anti-Human QPRT Polyclonal Antibody | anti-QPRT antibody

QPRT Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290003	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

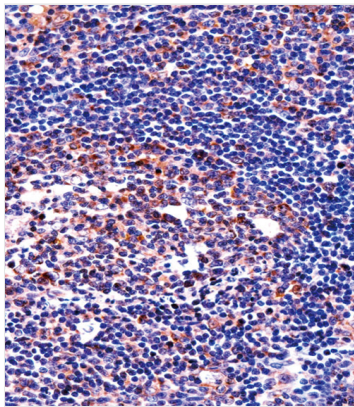
PRODUCT SYNONYMS

QPRT; Polyclonal Antibody; QPRT Antibody (C-term); Nicotinate-nucleotide pyrophosphorylase [carboxylating]; Quinolate phosphoribosyltransferase [decarboxylating]; QAPRTase; QPRTase; anti-QPRT antibody

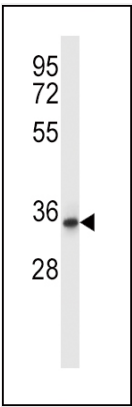
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This QPRT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 206-234 amino acids from the C-terminal region of human QPRT.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	206-234
Sequence Length	297
Applicable Applications for anti-QPRT antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Involved in the catabolism of quinolinic acid (QA).
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
QPRT Antibody (C-term) (AAA290003)immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of QPRT Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
QPRT Antibody (C-term) western blot analysis in human placenta tissue lysates (35ug/lane).This demonstrates the QPRT antibody detected the QPRT protein (arrow).

ADDITIONAL INFORMATION

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. Quinolinate acts as a most potent endogenous exitotoxin to neurons. Elevation of quinolinate levels in the brain has been linked to the pathogenesis of neurodegenerative disorders such as epilepsy, Alzheimer's disease, and Huntington's disease.
Product Categories/Family for anti-QPRT antibody	Metabolism; Neuroscience; Signal Transduction
References	Hinsch, N., et al. BMC Cancer 9, 93 (2009) : Liu, H., et al. J. Mol. Biol. 373(3):755-763(2007) Magni, G., et al. Cell. Mol. Life Sci. 61(1):19-34(2004) Fukuoka, S., et al. Adv. Exp. Med. Biol. 467, 611-614 (1999) : Fukuoka, S.I., et al. Biochim. Biophys. Acta 1395(2):192-201(1998)

NCBI AND UNIPROT INFORMATION

NCBI GI #	45269149
NCBI GeneID	23475
NCBI Accession #	NP_055113.2
NCBI GenBank Nucleotide #	NM_014298.3
UniProt Accession #	Q15274; Q53XW7; Q96G22; Q9BSG6
Molecular Weight	30846
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
NCBI Protein Information	nicotinate-nucleotide pyrophosphorylase [carboxylating]
UniProt Protein Name	Nicotinate-nucleotide pyrophosphorylase [carboxylating]

UniProt Gene Name	QPRT
UniProt Synonym Gene Names	QAPRTase; QPRTase
UniProt Entry Name	NADC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/qprt-antibody-immunohistochemistry-western-blot-elisa/290003>