

**QPRT Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14383b****Specification**

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**QPRT Antibody (C-term) - Product Information**

Application	IHC-P, WB,E
Primary Accession	<a href="#">Q15274</a>
Other Accession	<a href="#">NP_055113.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	30846
Antigen Region	206-234

**QPRT Antibody (C-term) - Additional Information****Gene ID** 23475**Other Names**

Nicotinate-nucleotide pyrophosphorylase [carboxylating], Quinolate phosphoribosyltransferase [decarboxylating], QAPRTase, QPRTase, QPRT

**Target/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.

**Dilution**

IHC-P~~1:10~50

WB~~1:1000

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**

QPRT Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**QPRT Antibody (C-term) - Protein Information****Name** QPRT

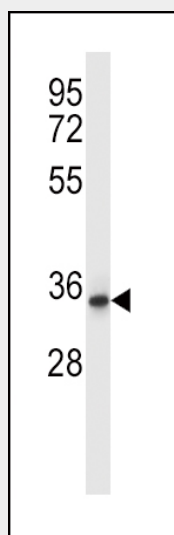
**Function** Involved in the catabolism of quinolinic acid (QA).

### QPRT Antibody (C-term) - Protocols

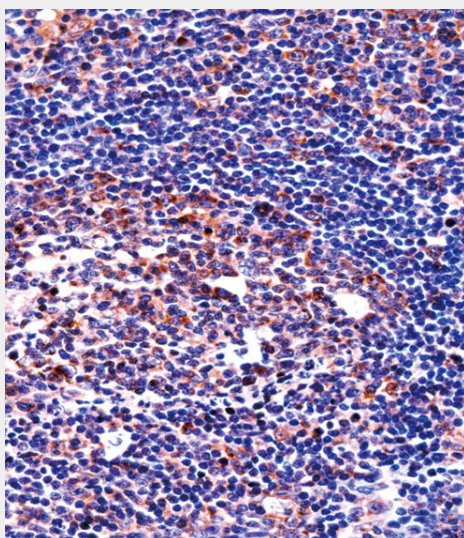
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### QPRT Antibody (C-term) - Images



QPRT Antibody (C-term) (Cat. #AP14383b) western blot analysis in human placenta tissue lysates (35ug/lane). This demonstrates the QPRT antibody detected the QPRT protein (arrow).



QPRT Antibody (C-term) (AP14383b) 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.

#### **QPRT Antibody (C-term) - Background**

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 excitotoxin 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.

#### **QPRT Antibody (C-term) - 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)