

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

Specification

QPRT Antibody (C-term) - Product Information

| | |
|-------------------|-----------------------------|
| Application | WB, IHC-P,E |
| Primary Accession | Q15274 |
| Other Accession | NP_055113.2 |
| 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

WB~~1:1000
IHC-P~~1:10~50

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

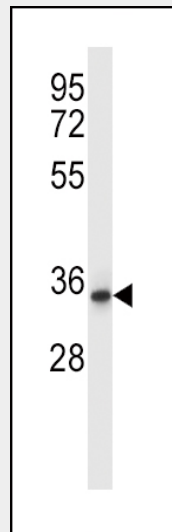
Function Involved in the catabolism of quinolinic acid (QA).

QPRT Antibody (C-term) - Protocols

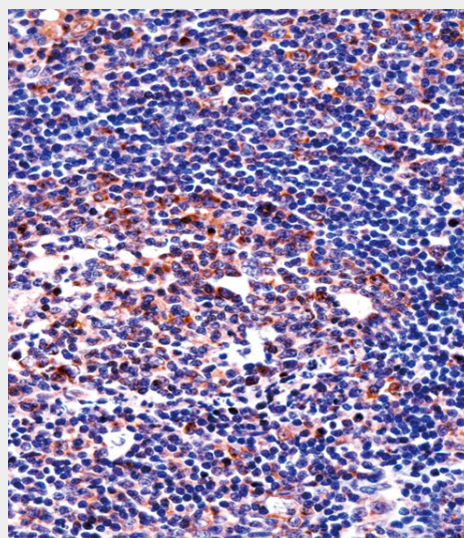
Provided below are standard protocols that you may find useful for product applications.

- [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)