

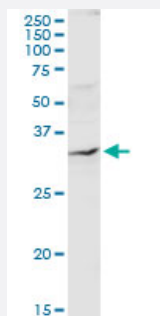
MaxPab®

QPRT purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00023475-D01P

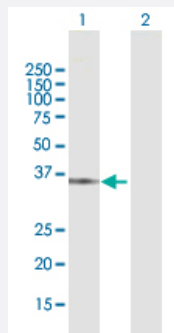
Size 100 ug

Applications



Western Blot (Tissue lysate)

QPRT MaxPab rabbit polyclonal antibody. Western Blot analysis of QPRT expression in human kidney.



Western Blot (Transfected lysate)

Western Blot analysis of QPRT expression in transfected 293T cell line ([H00023475-T01](#)) by QPRT MaxPab polyclonal antibody.

Lane 1: QPRT transfected lysate(32.67 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human QPRT protein.

Immunogen

QPRT (AAH05060.1, 1 a.a. ~ 297 a.a) full-length human protein.

Sequence

MDAEG LALLLPVTLAALVDSWLREDCPGLNYAALVSGAGPSQAALWAKSPGILAGQPFFDAIFT
QLNCQVSWFLPEGSKLVPARVAEVRGPAHCLLLGERVALNTLARCSGASAAAAAVEAARGAG
WTGHVAGTRKTTGFRLEKYGLLVGGAASHRYDLGGLVMVKDNHVVAAGGVEKAVRAARQAA
DFALKVEVECSSLQEAVQAAEAGADLVLLDNFKPEELHPTATVLKAQFPSVAVEASGGITLDNLP
QFCGPHIDVISMGMLTQAAPALDFSLKLFKEVAPVPKIH

Host

Rabbit

Reactivity	Human
Interspecies Antigen Sequence	Mouse (84); Rat (82)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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[Protocol Download](#)

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Western Blot analysis of QPRT expression in transfected 293T cell line ([H00023475-T01](#)) by QPRT MaxPab polyclonal antibody.

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Gene Info — QPRT

Entrez GeneID	23475
GeneBank Accession#	BC005060.1
Protein Accession#	AAH05060.1
Gene Name	QPRT
Gene Alias	QPRTase
Gene Description	quinolinate phosphoribosyltransferase
Omim ID	606248
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

nicotinate-nucleotide pyrophosphorylase (carboxylating)

Pathway

- [Biosynthesis of alkaloids derived from ornithine](#)
- [Metabolic pathways](#)
- [Nicotinate and nicotinamide metabolism](#)