

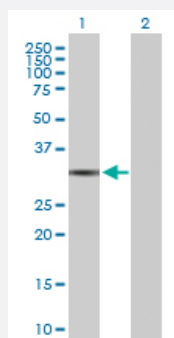
MaxPab®

QPR1 purified MaxPab rabbit polyclonal antibody (D05P)

Catalog # H00023475-D05P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of QPRT expression in transfected 293T cell line ([H00023475-T02](#)) by QPRT MaxPab polyclonal antibody.

Lane 1: QPRT transfected lysate(30.80 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

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

Immunogen

QPRT (NP_055113.2, 1 a.a. ~ 297 a.a) full-length human protein.

Sequence

MDAEG LALLLPVTLAALVDSWLREDCPGLNYAALVSGAGPSQAALWAKSPGVLAGQPFFDAIF
TQLNCQVSWFLPEGSKLVPVARVAEVRGPAHCLLLGERVALNTLARCSGIASAAAAAVEAARGA
GWTGHVAGTRKTPGFRLVEKYGLLVGGAASHRYDLGGLVMVKDNHVVAAAGGVEKAVRAARQA
ADFALKVEVECCSSLQEAVQAAEAGADLVLLDNFKPEELHPTATVLKAQFSPVAVEASGGITLDNL
PQFCGPHIDVISMGMLTQAAPALDFSLKLFKEVAPVPKIH

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.

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[Protocol Download](#)

Gene Info — QPRT

Entrez GeneID [23475](#)

GeneBank Accession# [NM_014298.3](#)

Protein Accession# [NP_055113.2](#)

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](#)