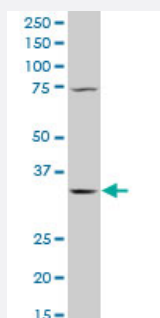


QPRT polyclonal antibody (A01)

Catalog # H00023475-A01

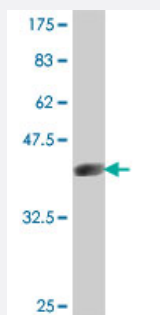
Size 50 uL

Applications



Western Blot (Cell lysate)

QPRT polyclonal antibody (A01), Lot # 060803QCS1 Western Blot analysis of QPRT expression in K-562 (Cat # L009V1).



Western Blot detection against Immunogen (37.11 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant QPRT.
Immunogen	QPRT (NP_055113, 198 a.a. ~ 297 a.a) partial recombinant protein with GST tag.
Sequence	VEVECSSLQEAVQAAEAGADLVLLDNFKPEELHPTATVLKAQFPSVAVEASGGITLDNLPQFCG PHIDVISMGMLTQAAPALDFSCLKLFAKEVAPVPKIH
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (84); Rat (82)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.11 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

QPRT polyclonal antibody (A01), Lot # 060803QCS1 Western Blot analysis of QPRT expression in K-562 (Cat # L009V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — QPRT

Entrez GeneID

[23475](#)

GeneBank Accession#

[NM_014298](#)

Protein Accession#

[NP_055113](#)

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)

Publication Reference

- [Characterization of the Kynurenine Pathway in Human Neurons.](#)

Guillemin GJ, Cullen KM, Lim CK, Smythe GA, Garner B, Kapoor V, Takikawa O, Brew BJ.

Journal of Neuroscience 2007 Nov; 27(47):12884.

Application: IF, Human, Human neurons, SK-N-SH cells

Pathway

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