

QPRT Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant QPRT.****Catalog # AT3509a****Specification**

QPRT Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, E
Primary Accession	Q15274
Other Accession	NM_014298
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	30846

QPRT Antibody (monoclonal) (M01) - Additional Information**Gene ID** 23475**Other Names**

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

Target/Specificity

QPRT (NP_055113, 198 a.a. ~ 297 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IHC~~1:100~500

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

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

Precautions

QPRT Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

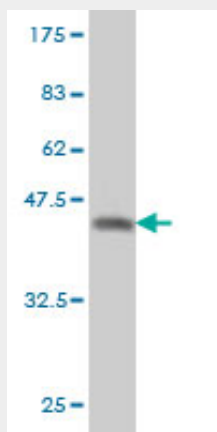
QPRT Antibody (monoclonal) (M01) - Protocols

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

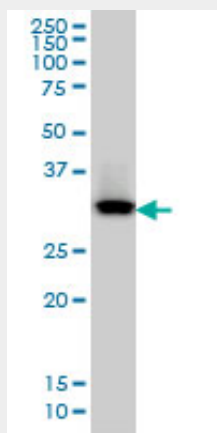
- [Western Blot](#)

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

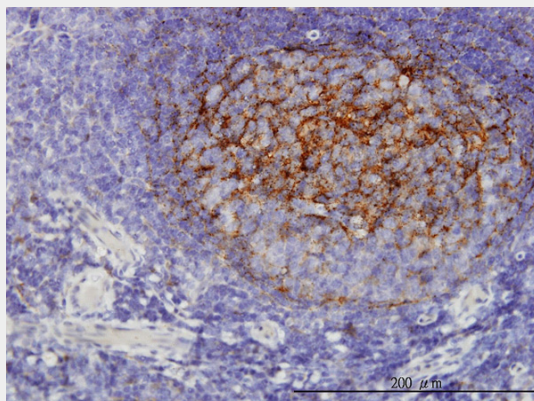
QPRT Antibody (monoclonal) (M01) - Images



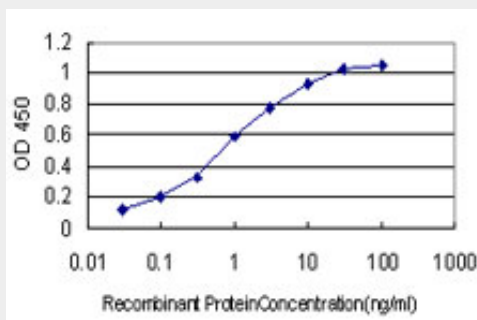
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



QPRT monoclonal antibody (M01), clone 5D11 Western Blot analysis of QPRT expression in HepG2 (Cat # AT3509a)



Immunoperoxidase of monoclonal antibody to QPRT on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged QPRT is approximately 0.03ng/ml as a capture antibody.

QPRT Antibody (monoclonal) (M01) - 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 (monoclonal) (M01) - References

1.QPRT: a potential marker for follicular thyroid carcinoma including minimal invasive variant; a gene expression, RNA and immunohistochemical study.Hinsch N, Frank M, Doring C, Vorlander C, Hansmann ML.BMC Cancer. 2009 Mar 26;9:93.