

## QPRT Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant QPRT.

Catalog # AT3509a

### Specification

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#### QPRT Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, E
Primary Accession	<a href="#">Q15274</a>
Other Accession	<a href="#">NM_014298</a>
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

#### 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.

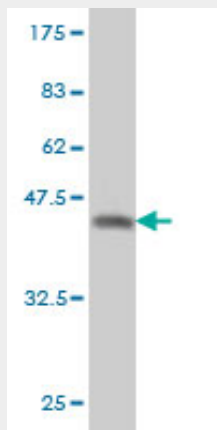
#### QPRT Antibody (monoclonal) (M01) - Protocols

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

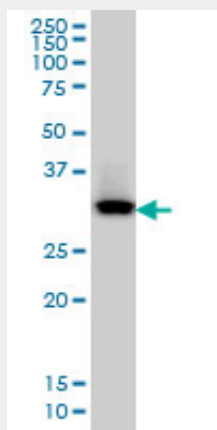
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

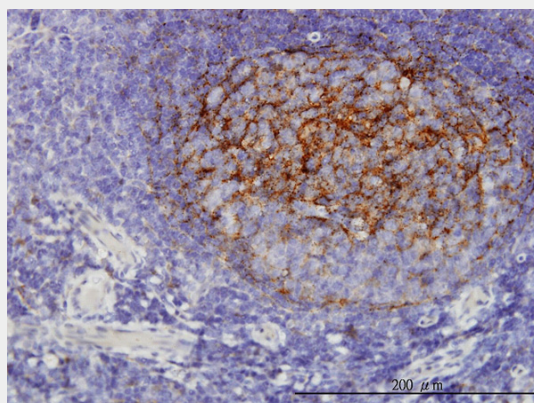
### QPRT Antibody (monoclonal) (M01) - Images



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

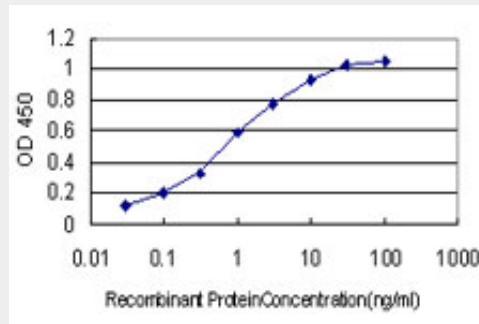


QPRT monoclonal antibody (M01), clone 5D11 Western Blot analysis of QPRT expression in HepG2 ( (Cat # AT3509a )



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.