10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

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

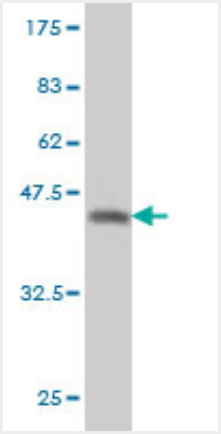
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

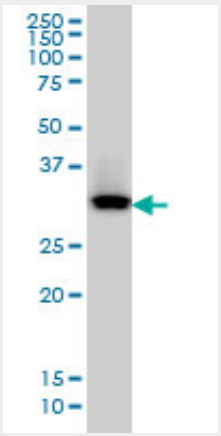
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

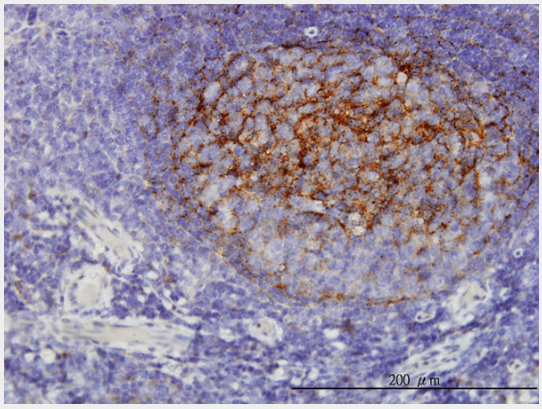
QPRT Antibody (monoclonal) (M01) - Images



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



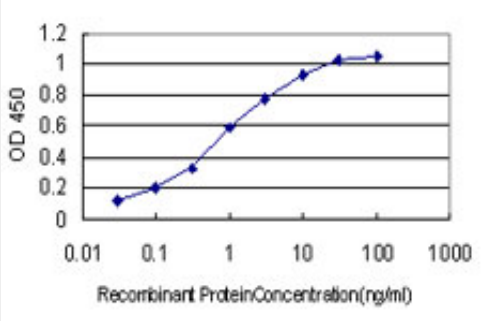
QPRT monoclonal antibody (M01), clone 5D11 Western Blot analysis of QPRT expression in HepG2 ((Cat # AT3509a)



Immunoperoxidase of monoclonal antibody to QPRT on formalin-fixed paraffin-embedded human

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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 exitotoxin 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.