

QPRT Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant QPRT. Catalog # AT3509a

Product Information

Application WB, IHC, E **Primary Accession** Q15274 Other Accession NM 014298 Reactivity Human Host mouse Clonality monoclonal Isotype IgG1 Kappa **Clone Names** 5D11 Calculated MW 30846

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.

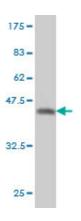
Background

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.

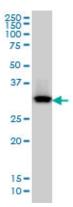
References

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

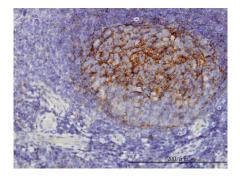
Images



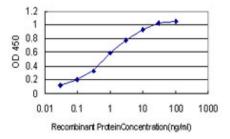
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.