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

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.

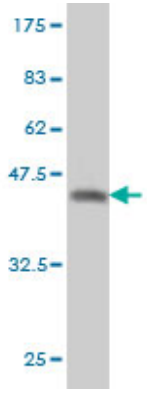
Background

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.

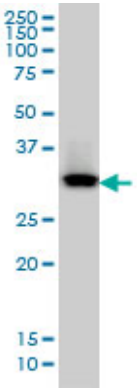
References

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

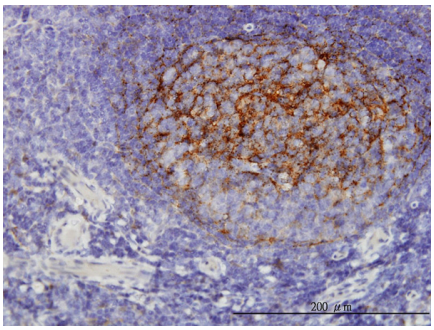
Images



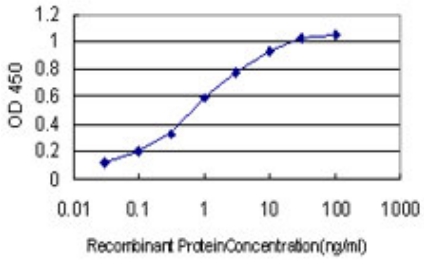
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



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'.