Mouse QPRT Monoclonal Antibody | anti-QPRT antibody

QPRT antibody

CATALOG #	HOST	APPLICATIONS
AAA106892	**Mouse**	**Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

QPRT; Monoclonal Antibody; QPRT antibody; Monoclonal QPRT; Anti-QPRT; Quinolinate phosphoribosyltransferase; QPRTase;; anti-QPRT antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	7A8
Purity/Purification	QPRT antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	297
Applicable Applications for anti-QPRT antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Biological Significance	QPRT is a key enzyme in catabolism of quinolin ate, an intermediate in the tryptophan-nicotin amide adeninedinucleotide pathway. Quinolin ate 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.
Cross-Reactivity	Human
Immunogen	QPRT antibody was raised in mouse using a full length recombinant protein of human QPRT (NP_055113) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IHC (Immunohistochemisry)
Immunohistochemical analysis of QPRT protein in paraffin embedded Human liver tissue using QPRT antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant QPRT protein (Right) or empty vector (Left) detected with QPRT antibody

FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of HEK293T cells transfected with either recombinant QPRT protein (red) or empty vector (blue) stained using QPRT antibody

ADDITIONAL INFORMATION

Related Product Information for anti-QPRT antibody	Mouse monoclonal QPRT antibody
Product Categories/Family for anti-QPRT antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	45269149
NCBI GeneID	23475
NCBI Accession #	NP_055113
NCBI GenBank Nucleotide #	NM_014298.3
UniProt Accession #	Q15274; Q53XW7; Q96G22; Q9BSG6
Molecular Weight	30,846 Da
NCBI Official Full Name	nicotinate-nucleotide pyrophosphorylase
NCBI Official Synonym Full Names	quinolinate phosphoribosyltransferase
NCBI Official Symbol	QPRT
NCBI Official Synonym Symbols	QPRTase; HEL-S-90n
NCBI Protein Information	nicotinate-nucleotide pyrophosphorylase [carboxylating]
UniProt Protein Name	Nicotinate-nucleotide pyrophosphorylase [carboxylating]
UniProt Gene Name	**QPRT**
UniProt Synonym Gene Names	QAPRTase; QPRTase
UniProt Entry Name	NADC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/qprt-antibody-clone-7a8-western-blot-immunohistochemistry-flow-cytometry-elisa/106892