

Mouse anti-Human QPRT Monoclonal Antibody | anti-QPRT antibody

QPRT antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48223	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

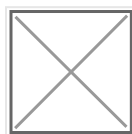
PRODUCT SYNONYMS

QPRT; Monoclonal Antibody; QPRT antibody; Nicotinate nucleotide pyrophosphorylase (carboxylating); Nicotinate nucleotide pyrophosphorylase carboxylating; Quinolate phosphoribosyltransferase; QPRTase; QAPRTase; anti-QPRT antibody

PRODUCT SPECIFICATIONS

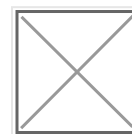
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT24C4
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	297
Applicable Applications for anti-QPRT antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human QPRT (1-297aa) purified from E. coli
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of QPRT in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human QPRT antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human QPRT antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1 : HepG2 cell lysate Lane 2 : K562 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-QPRT antibody	Quinolinate phosphoribosyltransferase, also known as QPRT, is a major enzyme in the catabolism of quinolinate. It is an intermediate in the tryptophannicotinamide adenine dinucleotide (NAD) pathway, leading to the production of nicotinic acid, carbon dioxide and pyrophosphate. Elevation of QPRT levels in the brain has been linked to the pathogenesis of neurodegenerative disorders such as epilepsy, Alzheimer's disease, and Huntington's disease.
Product Categories/Family for anti-QPRT antibody	Neuroscience
References	Cao H., et al. (2002) Biochemistry. 41 (10): 3520-8.; Liu H., et al. (2007) J Mol Biol. 373 (3): 755-63.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	45269149
NCBI GeneID	23475
NCBI Accession #	NP_055113
NCBI GenBank Nucleotide #	NM_014298.4
UniProt Accession #	Q15274; Q53XW7; Q96G22; Q9BSG6
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

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.