
QPRT/QAPRTase Rabbit pAb

Catalog Number: bs-20316R

Target Protein: QPRT/QAPRTase

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Mouse, Rat (predicted:Human, Sheep, Cow, Dog)

Predicted MW: 31 kDa

Entrez Gene: 23475

Swiss Prot: Q15274

Source: KLH conjugated synthetic peptide derived from human QPRT/QAPRTase : 21-120/297.

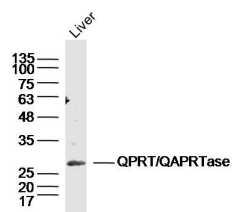
Purification: affinity purified by Protein A

Storage: Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.

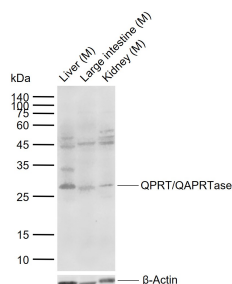
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Quinolate phosphoribosyltransferase (QPRTase) is a major enzyme in the catabolism of quinolate. Quinolate is an intermediate in the tryptophan-nicotinamide adenine dinucleotide (NAD) pathway, leading to the production of nicotinic acid, carbon dioxide, and pyrophosphate. Catabolism of quinolate is vital due to the quinolate's neurotoxicity. Increased levels of quinolate have been linked to neurodegenerative symptoms associated with meningitis and AIDS. QAPRTase has a seven-stranded alpha/beta-barrel domain which is similar in structure to the eight-stranded alpha/beta-barrel enzymes. The protein possesses a novel fold in comparison to other members of the PRTase family. This fold comprises a structure combining two domains. The structure is part alpha/beta barrel-like domain, and part alpha/beta N-terminal domain.

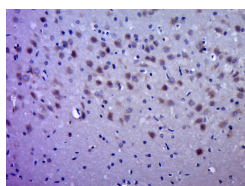
VALIDATION IMAGES



Sample: Liver (mouse) Lysate at 40 ug Primary: Anti- QPRT'QAPRTase (bs-20316R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31kD Observed band size: 31kD



Sample: Lane 1: Mouse Liver tissue lysates Lane 2: Mouse Large intestine tissue lysates Lane 3: Mouse Kidney tissue lysates Primary: Anti-QPRT/QAPRTase (bs-20316R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kDa Observed band size: 28 kDa



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Quinolate phosphoribosyltransferase; QPRT/QAPRTase) Polyclonal Antibody, Unconjugated (bs-20316R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.