

**bs-20316R****[ Primary Antibody ]****QPRT/QAPRTase Rabbit pAb****Bioss**  
**ANTIBODIES**

www.bioss.com.cn

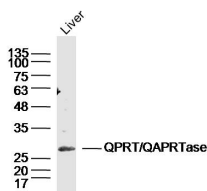
sales@bioss.com.cn

techsupport@bioss.com.cn

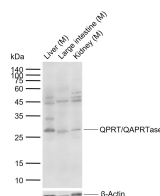
400-901-9800

**— DATASHEET —**

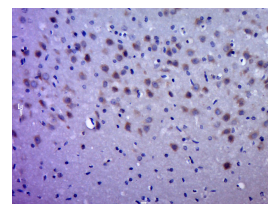
<p><b>Host:</b> Rabbit</p> <p><b>Clonality:</b> Polyclonal</p> <p><b>GeneID:</b> 23475</p> <p><b>Target:</b> QPRT/QAPRTase</p> <p><b>Immunogen:</b> KLH conjugated synthetic peptide derived from human QPRT/QAPRTase : 21-120/297.</p> <p><b>Purification:</b> affinity purified by Protein A</p> <p><b>Concentration:</b> 1mg/ml</p> <p><b>Storage:</b> 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.</p> <p><b>Background:</b> Quinolinate phosphoribosyltransferase (QPRTase) is a major enzyme in the catabolism of quinolinate. Quinolinate is an intermediate in the tryptophan-nicotinamide adenine dinucleotide (NAD) pathway, leading to the production of nicotinic acid, carbon dioxide, and pyrophosphate. Catabolism of quinolinate is vital due to the quinolinate's neurotoxicity. Increased levels of quinolinate 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.</p>	<p><b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)</p> <p><b>Reactivity:</b> Mouse, Rat (predicted: Human, Sheep, Cow, Dog)</p> <p><b>Predicted MW.:</b> 31 kDa</p> <p><b>Subcellular Location:</b> Cytoplasm</p>
---	---

**— 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 (Quinolinate 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.