

**bs-11656R****[ Primary Antibody ]****COQ10B Rabbit pAb****BioSS**  
**ANTIBODIES**

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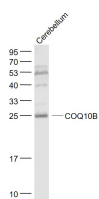
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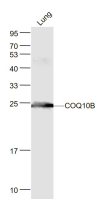
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse, Orangutan)
<b>GeneID:</b> 80219	<b>SWISS:</b> Q9H8M1	<b>Predicted MW.:</b> 23 kDa
<b>Target:</b> COQ10B		<b>Subcellular Location:</b> Cell membrane ,Cytoplasm
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human COQ10B: 38-110/238.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> COQ10B, Coenzyme Q10, is a 247 amino acid protein encoded by the human gene COQ10B. COQ10B is a mitochondrial protein that belongs to the COQ10 family. COQ10B is an essential biological cofactor which increases brain mitochondrial concentration and exerts neuroprotective effects. Plasma COQ10B levels decrease in patients with advanced chronic heart failure (CHF) while COQ10B levels in hyperthyroid patients are found among the lowest detected in human diseases. Likewise, COQ10B is elevated in hypothyroid subjects, also in subclinical conditions, suggesting the usefulness of this index in assessing metabolic status in thyroid disorders. It is believed that secretion of adrenal hormones is in some way related to COQ10B levels, both in augmented and reduced conditions. However, since thyroid hormones have an important role in modulating COQ10B levels and metabolism, when coexistent, thyroid deficiency seems to play a prevalent role in comparison with adrenal deficiency.		

**— VALIDATION IMAGES —**

Sample: Cerebellum (Mouse) Lysate at 40 ug  
Primary: Anti- COQ10B (bs-11656R) at 1/1000  
dilution Secondary: IRDye800CW Goat Anti-  
Rabbit IgG at 1/20000 dilution Predicted band  
size: 23 kD Observed band size: 25 kD



Sample: Lung (Mouse) Lysate at 40 ug Primary:  
Anti- COQ10B (bs-11656R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
1/20000 dilution Predicted band size: 23 kD  
Observed band size: 23 kD

**— SELECTED CITATIONS —**

- **[IF=3.8]** Wang Zhengang, et al. DNA methylation-regulated LINC02587 inhibits ferroptosis and promotes the progression of glioma cells through the CoQ-FSP1 pathway. BMC CANCER. 2023 Dec;23(1):1-15 WB ;Human. 37848823
- **[IF=1.5]** Fangyun Wang, et al. CircYTHDF1/miR-19b-3p/YTHDF1 axis contributes to pregnancy-induced hypertension development by enhancing vascular endothelial cell injury. HYPERTENS PREGNANCY. 2024 Nov 06 WB ;Human. 39503530

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.