
COQ10B Rabbit pAb

Catalog Number: bs-11656R

Target Protein: COQ10B

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Human, Mouse (predicted:Rat, Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse, Orangutan)

Predicted MW: 23 kDa

Entrez Gene: 80219

Swiss Prot: Q9H8M1

Source: KLH conjugated synthetic peptide derived from human COQ10B: 38-110/238.

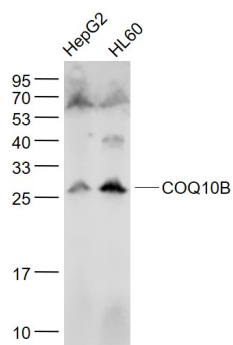
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

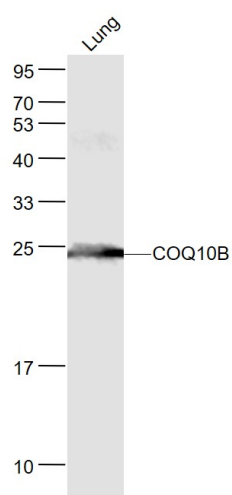
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.

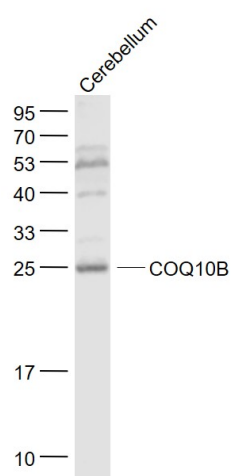
VALIDATION IMAGES



Sample: HepG2(Human) Cell Lysate at 30 ug HL60(Human) Cell Lysate at 30 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: 26 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



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

PRODUCT SPECIFIC PUBLICATIONS

[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