

bs-3934R**[Primary Antibody]****COX3 Rabbit pAb****Bioss**
ANTIBODIES

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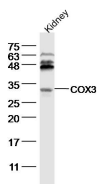
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Mouse, Rat (predicted: Human, Rabbit, Pig, Cow, Chicken, Dog, Horse)
GeneID: 4514	SWISS: P00414	Predicted MW.: 30 kDa
Target: COX3		Subcellular Location: Cytoplasm
Immunogen: KLH conjugated synthetic peptide derived from human COX3: 25-130/261.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
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: MT-CO3 (Mitochondrially Encoded Cytochrome C Oxidase III) is a Protein Coding gene. Diseases associated with MT-CO3 include Leber Hereditary Optic Neuropathy and Genetic Recurrent Myoglobinuria. Among its related pathways are Gene Expression and Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins.. Gene Ontology (GO) annotations related to this gene include cytochrome-c oxidase activity and heme-copper terminal oxidase activity.		

— VALIDATION IMAGES —

Sample: kidney(mouse)Lysate at 40 ug Primary:
Anti- COX3 (bs-3934R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 30kD
Observed band size: 30 kD

— SELECTED CITATIONS —

- **[IF=3.2]** Jiawen Hao. et al. Electroacupuncture Slows Experimental Myopia Progression by Improving Retinal Mitochondrial Function: A Study Based on Single-Cell RNA Sequencing. Advanced Biology. 2024 Oct;:2400269 WB ;Guinea pig. 39404059