

**bs-10455R****[ Primary Antibody ]****NDUFS2 Rabbit pAb****BioSS**  
**ANTIBODIES**

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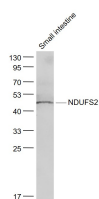
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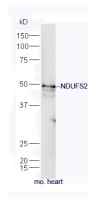
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 4720 <b>Target:</b> NDUFS2 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human NDUFS2: 351-450/463. <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> The protein encoded by this gene is a core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (complex I). Mammalian mitochondrial complex I is composed of at least 43 different subunits, 7 of which are encoded by the mitochondrial genome, and the rest are the products of nuclear genes. The iron-sulfur protein fraction of complex I is made up of 7 subunits, including this gene product. Complex I catalyzes the NADH oxidation with concomitant ubiquinone reduction and proton ejection out of the mitochondria. Mutations in this gene are associated with mitochondrial complex I deficiency. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2009].	<b>Isotype:</b> IgG  <b>SWISS:</b> O75306	<b>Applications:</b> WB (1:500-2000)  <b>Reactivity:</b> Mouse (predicted: Human, Rat, Rabbit, Pig, Cow, Chicken, Dog, Horse)  <b>Predicted MW.:</b> 49 kDa  <b>Subcellular Location:</b> Cytoplasm
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**— VALIDATION IMAGES —**

Sample: Small intestine (Mouse) Lysate at 40 ug  
Primary: Anti- NDUFS2 (bs-10455R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 49 kD  
Observed band size: 49 kD



Sample: heart (Mouse) Lysate at 40 ug  
Primary: Anti-NDUFS2 (bs-10455R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 49 kD  
Observed band size: 49 kD

**— SELECTED CITATIONS —**

- **[IF=7.169]** Wang Xuan-zhong. et al. TAX1BP1 contributes to deoxypodophyllotoxin-induced glioma cell parthanatos via inducing nuclear translocation of AIF by activation of mitochondrial respiratory chain complex I. ACTA PHARMACOL SIN. 2023 Apr;;1-14 CoIP ;Human. 37186123