

**bs-18760R****[ Primary Antibody ]****Bioss**  
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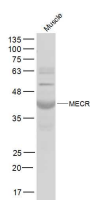
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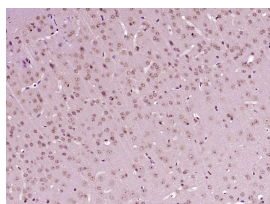
400-901-9800

**MECR Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 51102 <b>Target:</b> MECR <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human MECR: 131-230/373. <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> Mecr is a 373 amino acid mitochondrial protein that may play a role in fatty acid synthesis. Existing as two alternatively spliced isoforms, Mecr is highly expressed in cardiac and skeletal muscle, with lower levels found in pancreas, kidney, placenta and liver. Mecr forms a homodimer and belongs to the zinc-containing alcohol dehydrogenase family and quinone oxidoreductase subfamily. Mecr reduces trans-2-enoyl-CoA to acyl-CoA in an NADPH-dependent manner and is encoded by a gene that maps to human chromosome 1p35.3. Human chromosome 1 spans 260 million base pairs, contains over 3,000 genes, comprises nearly 8% of the human genome and houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome.	<b>Isotype:</b> IgG <b>SWISS:</b> Q9BV79 <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) <b>Reactivity:</b> Mouse (predicted: Human, Rat, Rabbit, Sheep) <b>Predicted MW.:</b> 36 kDa <b>Subcellular Location:</b> Cytoplasm ,Nucleus
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**— VALIDATION IMAGES —**

Sample: Muscle (Mouse) Lysate at 40 ug Primary:  
Anti-MECR (bs-18760R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
1/20000 dilution Predicted band size: 36 kD  
Observed band size: 40 kD



Paraformaldehyde-fixed, paraffin embedded  
(Mouse 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 (MECR) Polyclonal Antibody,  
Unconjugated (bs-18760R) at 1:400 overnight at  
4°C, followed by operating according to SP  
Kit(Rabbit) (sp-0023) instructions and DAB  
staining.