

**bs-20189R****[ Primary Antibody ]****MCU Rabbit pAb****Bioss**  
**ANTIBODIES**

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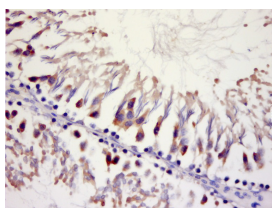
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<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>ICC/IF</b> (1:100-500) <b>ELISA</b> (1:5000-10000)  <b>Reactivity:</b> Mouse, Rat (predicted: Human, Rabbit, Pig, Sheep, Cow, Dog, Horse)  <b>Predicted MW.:</b> 40 kDa  <b>Subcellular Location:</b> Cell membrane
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 90550	<b>SWISS:</b> Q8NE86	
<b>Target:</b> MCU		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human MCU: 251-351//351.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> This gene encodes a calcium transporter that localizes to the mitochondrial inner membrane. The encoded protein interacts with mitochondrial calcium uptake 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (rat testis); 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 (MCU) Polyclonal Antibody, Unconjugated (bs-20189R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=5.6]** Anqi Xu. et al. By regulating the IP3R/GRP75/VDAC1 complex to restore mitochondrial dynamic balance, selenomethionine reduces lipopolysaccharide-induced neuronal apoptosis. J CELL PHYSIOL. 2024 Jan;; IF, WB ;Chicken. 38219075
- **[IF=4.3]** Shasha Chen. et al. Quercetin alleviates zearalenone-induced apoptosis and necroptosis of porcine renal epithelial cells by inhibiting CaSR/CaMKII signaling pathway. FOOD CHEM TOXICOL. 2023 Nov;; 114184 IF, WB ;Pig. 37951344