

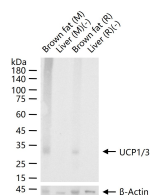
bsm-61899R**[Primary Antibody]****BioSS**
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www.bioss.com.cn

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400-901-9800

UCP1 Recombinant Rabbit mAb**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 9B8**GeneID:** 22227**SWISS:** P12242**Target:** UCP1**Immunogen:** A synthesized peptide derived from mouse UCP1: full-length.**Purification:** affinity purified by Protein A**Storage:** 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.**Background:** Mitochondrial transporter that functions as a long-chain fatty acid/LCFA and proton symporter, simultaneously transporting one LCFA and one proton through the inner mitochondrial membrane. However, LCFAs remaining associated with the transporter via their hydrophobic tails, it results in an apparent transport of protons activated by LCFAs. Thereby, dissipates the mitochondrial proton gradient and converts the energy of substrate oxydation into heat instead of ATP.**Applications:** **WB** (1:500-2000)
IP (1:20-50)**Reactivity:** Mouse, Rat**Predicted
MW.:** 33 kDa**Observed
MW.:** 32 kDa**Subcellular
Location:** Cytoplasm**— VALIDATION IMAGES —**

25 ug total protein per lane of various lysates (see on figure) probed with UCP1/3 monoclonal antibody, unconjugated (bsm-61899R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.