

bs-20750R**[Primary Antibody]****UCP-2 Rabbit pAb****Bioss**
ANTIBODIES

www.bioss.com.cn

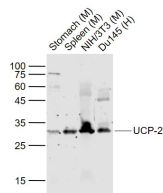
sales@bioss.com.cn

techsupport@bioss.com.cn

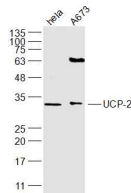
400-901-9800

DATASHEET

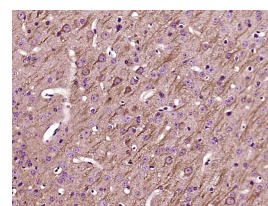
Host: Rabbit Clonality: Polyclonal GeneID: 7351 Target: UCP-2 Immunogen: KLH conjugated synthetic peptide derived from human UCP-2: 121-220/309. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: UCPs facilitate the transfer of anions from the inner to the outer mitochondrial membrane and the return transfer of protons from the outer to the inner mitochondrial membrane. They also reduce the mitochondrial membrane potential in mammalian cells. UCP2 gene is expressed in many tissues, with the greatest expression in skeletal muscle. UCP2 is thought to play a role in non shivering thermogenesis, obesity and diabetes.	Isotype: IgG SWISS: P55851	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse) Predicted MW.: 34 kDa Subcellular Location: Cytoplasm
---	---	---

VALIDATION IMAGES

Sample: Lane 1: Stomach (Mouse) Lysate at 40 ug
Lane 2: Spleen (Mouse) Lysate at 40 ug
Lane 3: NIH/3T3 (Mouse) Cell Lysate at 30 ug
Lane 4: Du145 (Human) Cell Lysate at 30 ug
Primary: Anti-UCP-2 (bs-20750R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 33 kD
Observed band size: 33 kD



Sample: HeLa(Human) Cell Lysate at 30 ug
A673(Human) Cell Lysate at 30 ug
Primary: Anti-UCP-2 (bs-20750R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 34 kD
Observed band size: 34 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 (UCP-2) Polyclonal Antibody, Unconjugated (bs-20750R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

SELECTED CITATIONS

- **[IF=7.129]** Li Xu. et al. Fenpropathrin increases gliquidone absorption via causing damage to the integrity of intestinal barrier. ECOTOX ENVIRON SAFE. 2022 Sep;242:113882 WB ;Rat. 35841655
- **[IF=6.312]** Jianwei Wang. et al. A Preliminary Study on the Effect of Hydrogen Gas on Alleviating Early CCl4-Induced Chronic Liver Injury in Rats. Antioxidants-Basel. 2021 Dec;10(12):1933 WB ;Rat. 34943036
- **[IF=5.279]** Lei Wang. et al. Lactobacillus plantarum DP189 Reduces α -SYN Aggravation in MPTP-Induced Parkinson' s Disease Mice via Regulating Oxidative Damage, Inflammation, and Gut Microbiota Disorder. J Agr Food Chem. 2022;70(4):1163-1173 WB ;Mouse. 35067061

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.