

bs-2435R**[Primary Antibody]****ATP5A Rabbit pAb****BioSS**
ANTIBODIES

www.bioss.com.cn

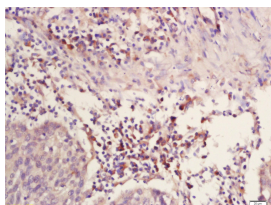
sales@bioss.com.cn

techsupport@bioss.com.cn

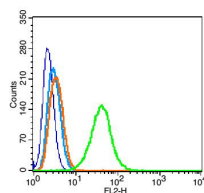
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 498 Target: ATP5A Immunogen: KLH conjugated synthetic peptide derived from human ATP5j: 33-108/108. 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: ATP5J (ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit F6) is a multisubunit membrane-bound enzyme complex consisting of an F0 segment embedded in the membrane and an F1 segment attached to the F0. It is also a component of mitochondrial ATP synthase which is required for the interactions of the catalytic and proton-translocating segments. Human ATP5J shares 72% sequence identity with rat ATP5J. This signal peptide is rich in basic amino acids, devoid of acidic amino acids, and amphiphilic, which allows it to be water-soluble yet capable of passage through the phospholipid membrane bilayers. Moreover, it is circulating and functions as an endogenous vasoconstrictor by inhibiting cytosolic phospholipase A2.	Isotype: IgG SWISS: P25705	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1μg/Test) Reactivity: Human, Rat, Sheep (predicted: Mouse, Rabbit, Cow, Dog, Horse) Predicted MW.: 13 kDa Subcellular Location: Cell membrane ,Cytoplasm
---	---	--

— VALIDATION IMAGES —

Tissue/cell: human laryngocarcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-ATP5A Polyclonal Antibody, Unconjugated (bs-2435R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Blank control (Blue): RSC96 (fixed with 2% paraformaldehyde (10 min), then permeabilized with 90% ice-cold methanol for 30 min on ice). Primary Antibody: Rabbit Anti-ATP5A antibody (bs-2435R), Dilution: 1μg in 100 μL 1X PBS containing 0.5% BSA. Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions. Secondary Antibody: Goat anti-rabbit IgG-PE (white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

— SELECTED CITATIONS —

- **[IF=4.2]** Zhang, Weidong, et al. "Decrease in male mouse fertility by hydrogen sulfide and/or ammonia can be inheritable." Chemosphere (2017). IHC ;="Mouse". 29202267