

**bs-2435R****[ Primary Antibody ]****Bioss**  
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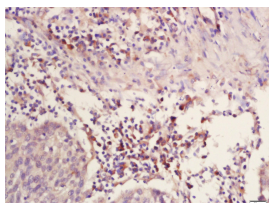
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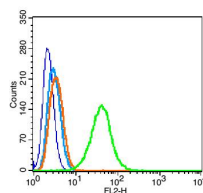
400-901-9800

**ATP5A Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 498 <b>Target:</b> ATP5A <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human ATP5j: 33-108/108. <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> ATP5J (ATP synthase, H <sup>+</sup> 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.	<b>Isotype:</b> IgG  <b>SWISS:</b> P25705	<b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1µg/Test)
		<b>Reactivity:</b> Human, Rat, Sheep (predicted: Mouse, Rabbit, Cow, Dog, Horse)
		<b>Predicted MW.:</b> 13 kDa
		<b>Subcellular Location:</b> 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