

bs-1506R**[Primary Antibody]****Bioss**
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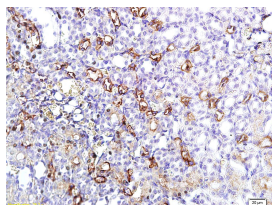
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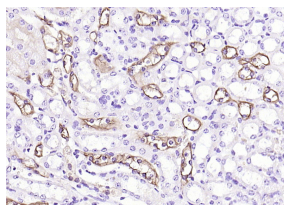
400-901-9800

AQP1 Rabbit pAb**DATASHEET**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 358	SWISS: P29972	IF (1:100-500)
Target: AQP1		Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Dog, Horse)
Immunogen: KLH conjugated synthetic peptide derived from human AQP1: 181-269/269. < Cytoplasmic >		Predicted MW.: 28 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane
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: Aquaporin 1 is a 28kD integral membrane protein which was originally identified in red blood cells and renal proximal tubules. AQP1 is also expressed by the choroid plexus and various other tissues. It forms a water-specific channel that provides the plasma membranes of red cells and kidney proximal tubules with high permeability to water, thereby permitting water to move in the direction of an osmotic gradient.		

VALIDATION IMAGES

Tissue/cell: rat kidney tissue; 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-AQP-1 Polyclonal Antibody, Unconjugated (bs-1506R) 1:400, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (mouse kidney); 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 (AQP1) Polyclonal Antibody, Unconjugated (bs-1506R) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) (sp-0023) instructions and DAB staining.

SELECTED CITATIONS

- **[IF=8.786]** Zhaoqi Zhang. et al. Central gene transcriptional regulatory networks shaping monocyte development in bone marrow.. FRONT IMMUNOL. 2022 Oct;13:1011279-1011279 FCM ;Mouse. 36304450
- **[IF=8.718]** Yang, Jiashu. et al. m6A-mediated upregulation of AC008 promotes osteoarthritis progression through the miR-328-3p-AQP1/ANKH axis. Exp Mol Med. 2021 Nov;:1-12 WB ;Human. 34737423
- **[IF=3.9]** Candan B.. et al. Beneficial Effects of Selenium on Kidney Injury via Nf-Kb and Aquaporin-1 Levels. BIOL TRACE ELEM RES. 2023 Nov;:1-9 IHC ;Rat. 37910264
- **[IF=2.705]** Wang EX et al. Stem cells from trabecular meshwork cells can secrete extracellular matrix. Biochem Biophys

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

Res Commun. 2020 Mar 5;523(2):522-526. ICC ;cattle. 31902587

- **[IF=2.826]** Takanori Watanabe et al. Aquaporin 3 Expression in Endometrioid Carcinoma of the Uterine Body Correlated With Early Stage and Lower Grade. Pathol Oncol Res. 2020 Oct;26(4):2247-2253. IHC ;Human. 32382899