bs-1554R **[Primary Antibody]**

Aquaporin 5 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 11830 **SWISS:** Q9WTY4

Target: Aquaporin 5

Immunogen: KLH conjugated synthetic peptide derived from mouse AQP5: 201-265/265. < Cytoplasmic >

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: Aquaporin 5 (AQP5) is a water channel protein. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0). Aquaporin 5 plays a role in the generation of saliva, tears and pulmonary secretions. AQP0, AQP2, AQP5, and AQP6 are closely related and all map to 12q13. [provided by RefSeq, Jul 2008]

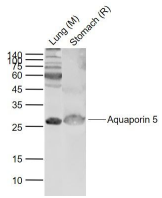
Applications: **WB** (1:500-2000)

Reactivity: Mouse, Rat

Predicted MW.: 29 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Mouse Lung tissue lysates Lane 2: Rat Stomach tissue lysates Primary: Anti-Aquaporin 5 (bs-1554R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 29 kD Observed band size: 27 kD

SELECTED CITATIONS

- **[IF=5.23]** Yi, TacGhee, et al. "Single Cell Clones Purified from Human Parotid Glands Display Features of Multipotent Epitheliomesenchymal Stem Cells." Scientific Reports 6 (2016). FCM ;="Human". 27824146
- **[IF=4.25]** Lim, Jae-Yol, et al. "Establishment and Characterization of Mesenchymal Stem Cell-like Clonal Stem Cells from Mouse Salivary Glands." Tissue Engineering (2014). Other ;="Mouse". 25273691
- **[IF=2.634]** Liu X. et al. Effects of Different Ligands in the Notch Signaling Pathway on the Proliferation and Transdifferentiation of Primary Type II Alveolar Epithelial Cells.. Front Pediatr. 2020 Aug;8:452-452 WB ;Rat. 32850559
- **[IF=3.419]** Shota Mitsuboshi. et al. A novel alveolar epithelial cell sheet fabricated under feeder-free conditions for potential use in pulmonary regenerative therapy. Regen Ther. 2022 Mar;19:113 IHC ;Rat. 10.1016/j.reth.2022.01.005
- **[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