SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Aquaporin 5 antibody

Catalog Number: SL1554R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
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℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat
Predicted MW.:	29kDa
Subcellular Location:	The cell membrane
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] **Function:** Forms a water-specific channel. Implicated in the generation of saliva, tears, and pulmonary secretions. **Subcellular Location:** Membrane; Multi-pass membrane protein. **Similarity:** Belongs to the MIP/aquaporin (TC 1.A.8) family. **Database links:** **Entrez Gene:** 362 Human **Entrez Gene:** 11830 Mouse **Entrez Gene:** 25241 Rat Omim: 600442 Human

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

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	SwissProt: P55064 Human **SwissProt:** Q9WTY4 Mouse **SwissProt:** P47864 Rat **Unigene:** 298023 Human **Unigene:** 45580 Mouse **Unigene:** 10066 Rat Aquaporin (AQP) is a group of specific cell membrane transporters related to water molecule permeability. Among them, AQP 5 is more commonly expressed in epithelial cells of the mammalian trachea and bronchi.

[VALIDATION IMAGES]

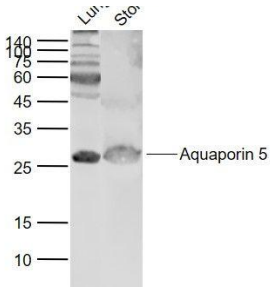


Figure 1. Sample: Lane 1: Mouse Lung tissue lysates Lane 2: Rat Stomach tissue lysates Primary: Anti-Aquaporin 5 (SL1554R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 29 kD Observed band size: 27 kD

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