

Rabbit Anti-Aquaporin 5/AP Conjugated antibody

SL10927R-AP

Product Name	Anti-Aquaporin 5/AP
Chinese Name	碱性磷酸酶（AP）标记的水 Channel protein5 抗体
Alias	Aquaporin 5; AQP5; AQP 5; AQP-5; AQP5_HUMAN; Aquaporin-5.
Research Area	Signal transduction Channel protein
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Rat(predicted:Mouse,Pig) WB=1:50-200 IHC-P=1:50-200 IHC-F=1:50-200 ICC=1:50-200
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	29kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Aquaporin 5
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	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

[SwissProt: P55064](#) Human

[SwissProt: Q9WTY4](#) Mouse

[SwissProt: P47864](#) Rat

[Unigene: 298023](#) Human

[Unigene: 45580](#) Mouse

[Unigene: 10066](#) Rat

Important Note:

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