



## Rabbit Anti-Aquaporin 5 antibody

SL10927R

<b>Product Name:</b>	Aquaporin 5
<b>Chinese Name:</b>	水Channel protein5抗体
<b>Alias:</b>	Aquaporin 5; AQP5; AQP 5; AQP-5; AQP5 HUMAN; Aquaporin-5.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	29kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Aquaporin 5:151-250/265<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

**SWISS:**

P55064

**Gene ID:**

362

**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

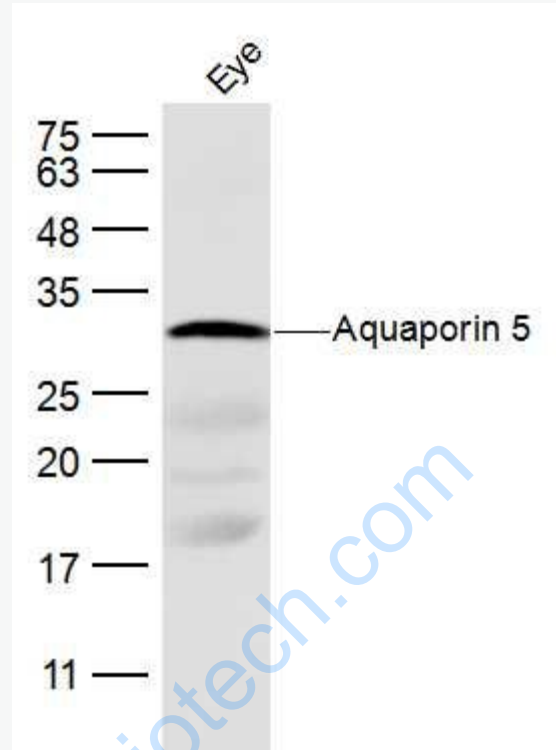
[Unigene: 45580](#)Mouse

[Unigene: 10066](#)Rat

**Important Note:**

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

Picture:



Sample:

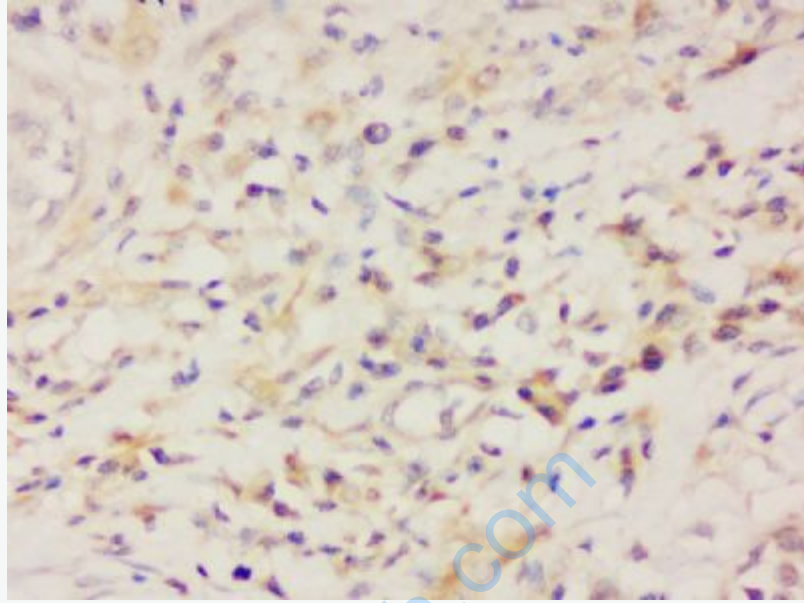
Eye (Rat) Lysate at 40 ug

Primary: Anti-Aquaporin 5 (SL10927R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 29 kD

Observed band size: 29 kD



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-Aquaporin Polyclonal Antibody, Unconjugated(SL10927R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining