

## Product datasheet for AP23312PU-N

## Aquaporin 5 (AQP5) (C-term) Rabbit Polyclonal Antibody

### **Product data:**

#### **Product Type: Primary Antibodies Applications:** IF, IHC, WB Recommended Dilution: Western blot: 0.1-0.5 µg/ml. Immunohistochemistry on Paraffin Sections: 0.5-1.0 µg/ml. Immunocytochemistry: 1.0 µg/ml. **Reactivity:** Human, Mouse, Rat Host: Rabbit Isotype: lgG **Clonality:** Polyclonal Immunogen: A synthetic peptide corresponding to a sequence in the middle region of mouse AQP5, identical to the related rat sequence. Specificity: This antibody detects Aquaporin-5 at C-term. Formulation: 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3 State: Aff - Purified State: Lyophilized Ig fraction **Reconstitution Method:** 0.2ml of distilled water will yield a concentration of 500µg/ml. **Purification:** Immunogen affinity purified **Conjugation:** Unconjugated Store lyophilized at 2-8°C for 6 months or at -20°C long term. Storage: After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Stability: Shelf life: one year from despatch. Gene Name: aquaporin 5 Database Link: Entrez Gene 11830 MouseEntrez Gene 25241 RatEntrez Gene 362 Human P55064



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# **QRIGENE**Aquaporin 5 (AQP5) (C-term) Rabbit Polyclonal Antibody – AP23312PU-NBackground:Aquaporin 5, also known as AQP5, is a water channel protein. The aquaporins (AQPs) are a<br/>family of more than 10 homologous water transporting proteins expressed in many

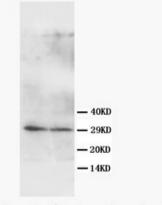
mammalian epithelia and endothelia. At least five AQPs are expressed in the eye: AQP0 (MIP) in lens fiber, AQP1 in cornea endothelium, ciliary and lens epithelia and trabecular meshwork, AQP3 in conjunctiva, AQP4 in ciliary epithelium and retinal Müller cells, and AQP5 in corneal and lacrimal gland epithelia.1 Among the seven human aquaporins cloned to date (AQPs 0-6), genes encoding the four most closely related aquaporins (AQP0, AQP2, AQP5, and AQP6) have been mapped to chromosome band 12q13, suggesting an aquaporin family gene cluster at this locus.2 Aquaporin 5 plays a role in the generation of saliva, tears and pulmonary secretions.

Synonyms: AQP-5

**Protein Families:** 

Druggable Genome, Transmembrane

## **Product images:**



Lane 1 : Rat lung tissue Lysate Lane 2 : Rat lung tissue Lysate AQP5 Polyclonal Antibody

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