

## Anti-Aquaporin 5 Rabbit Monoclonal Antibody

### Introduction

Forms a water-specific channel. Implicated in the generation of saliva, tears, and pulmonary secretions. Required for TRPV4 activation by hypotonicity (PubMed:16571723). Together with TRPV4, controls regulatory volume decrease in salivary epithelial cells (PubMed:16571723).

### Product parameters

|                    |                                                                                                   |
|--------------------|---------------------------------------------------------------------------------------------------|
| Alternative Names  | AQP5; Aquaporin-5; AQP-5                                                                          |
| Gene ID            | 362                                                                                               |
| Gene Name          | AQP5                                                                                              |
| SwissProt ID       | P55064                                                                                            |
| Host               | Rabbit                                                                                            |
| Reactivity         | Human                                                                                             |
| Molecular Weight   | Calculated MW: 28 kDa; Observed MW: 28 kDa                                                        |
| Conjugation        | Unconjugated                                                                                      |
| Ex                 | -                                                                                                 |
| Em                 | -                                                                                                 |
| Modification       | Unmodified                                                                                        |
| Clonality          | IgG                                                                                               |
| Isotype            | Monoclonal Antibody                                                                               |
| Clonality No.      | AP-5B2B1                                                                                          |
| Form               | Liquid                                                                                            |
| Concentration      | See label                                                                                         |
| Carrier            | Carrier Free                                                                                      |
| Immunogen          | A synthesized peptide derived from human AQP5                                                     |
| Purification       | Affinity Chromatography                                                                           |
| Buffer System      | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Application        | WB, IHC-P, ICC/IF                                                                                 |
| Dilution Ratio     | WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200                                                   |
| Research Field     | Cell Biology                                                                                      |
| Product Categories | Primary antibody                                                                                  |
| Shipping           | Blue ice                                                                                          |

|                 |                                  |
|-----------------|----------------------------------|
| Storage         | -20°C                            |
| Expiration Date | 12 months                        |
| Note            | Please avoid freeze-thaw cycles. |

## Protocol

Configure the product according to the application range and recommended dilution ratio.

**\*Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

## Note

1. This product is for scientific research use only.



**APExBIO Technology**

**[www.apexbt.com](http://www.apexbt.com)**

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: [info@apexbt.com](mailto:info@apexbt.com)

