

# Anti-Pannexin 1 Rabbit Monoclonal Antibody

Catalog # ABO15834

## Product Information

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|--------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IP                                                                                                          |
| <b>Primary Accession</b> | <a href="#">Q96RD7</a>                                                                                          |
| <b>Host</b>              | Rabbit                                                                                                          |
| <b>Isotype</b>           | IgG                                                                                                             |
| <b>Reactivity</b>        | Human                                                                                                           |
| <b>Clonality</b>         | Monoclonal                                                                                                      |
| <b>Format</b>            | Liquid                                                                                                          |
| <b>Description</b>       | Anti-Pannexin 1 Rabbit Monoclonal Antibody . Tested in WB, IP applications.<br>This antibody reacts with Human. |

## Additional Information

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| <b>Gene ID</b>             | 24145                                                                                                                                      |
| <b>Other Names</b>         | Pannexin-1, PANX1, Caspase-activated pannexin-1, Caspase-activated PANX1, PANX1 ( <a href="#">HGNC:8599</a> )                              |
| <b>Calculated MW</b>       | 48050                                                                                                                                      |
| <b>Application Details</b> | WB 1:500-1:2000<br>IP 1:50                                                                                                                 |
| <b>Source</b>              | Eukaryota                                                                                                                                  |
| <b>Contents</b>            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b>         | Clone: 24P11                                                                                                                               |
| <b>Immunogen</b>           | A synthesized peptide derived from human Pannexin 1                                                                                        |
| <b>Purification</b>        | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>             | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## Protein Information

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| <b>Name</b>     | PANX1 ( <a href="#">HGNC:8599</a> )                                                                                                                                                                                                                                                                                                                         |
| <b>Function</b> | Ion channel involved in a variety of physiological functions such as blood pressure regulation, apoptotic cell clearance and oogenesis (PubMed: <a href="#">15304325</a> , PubMed: <a href="#">16908669</a> , PubMed: <a href="#">20829356</a> , PubMed: <a href="#">20944749</a> , PubMed: <a href="#">30918116</a> ). Forms anion-selective channels with |

relatively low conductance and an order of permeabilities: nitrate>iodide>chloride>>aspartate=glutamate=gluconate (By similarity). Can release ATP upon activation through phosphorylation or cleavage at C-terminus (PubMed:[32238926](#)). May play a role as a Ca(2+)- leak channel to regulate ER Ca(2+) homeostasis (PubMed:[16908669](#)).

#### Cellular Location

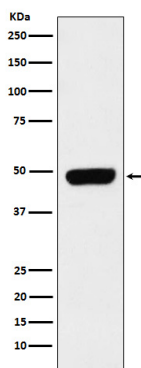
Cell membrane; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00351}. Endoplasmic reticulum membrane; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00351}

#### Tissue Location

Widely expressed (PubMed:30918116). Highest expression is observed in oocytes and brain (PubMed:30918116). Detected at very low levels in sperm cells (PubMed:30918116)

## Images

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Western blot analysis of Pannexin 1 expression in Caco-2 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.