



# PANX1 mouse mAb

|                                  |                                                                                                                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                | YP-mAb-17273                                                                                                                                                                                                                             |
| <b>Isotype</b>                   | IgG                                                                                                                                                                                                                                      |
| <b>Reactivity</b>                | Human, Mouse,Rat                                                                                                                                                                                                                         |
| <b>Applications</b>              | WB                                                                                                                                                                                                                                       |
| <b>Gene Name</b>                 | PANX1 MRS1 UNQ2529/PRO6028                                                                                                                                                                                                               |
| <b>Protein Name</b>              | Pannexin-1                                                                                                                                                                                                                               |
| <b>Immunogen</b>                 | Synthesized peptide derived from human C-ternal PANX1                                                                                                                                                                                    |
| <b>Specificity</b>               | This antibody detects endogenous levels of PANX1 at Human, Mouse,Rat                                                                                                                                                                     |
| <b>Formulation</b>               | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                           |
| <b>Source</b>                    | Mouse,Monoclonal                                                                                                                                                                                                                         |
| <b>Purification</b>              | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                     |
| <b>Dilution</b>                  | WB 1:500-1:2000                                                                                                                                                                                                                          |
| <b>Concentration</b>             | 1 mg/ml                                                                                                                                                                                                                                  |
| <b>Purity</b>                    | ≥90%                                                                                                                                                                                                                                     |
| <b>Storage Stability</b>         | -20°C/1 year                                                                                                                                                                                                                             |
| <b>Synonyms</b>                  | Pannexin-1                                                                                                                                                                                                                               |
| <b>Observed Band</b>             | 47kD                                                                                                                                                                                                                                     |
| <b>Cell Pathway</b>              | Cell membrane ; Multi-pass membrane protein . Cell junction, gap junction . Endoplasmic reticulum membrane ; Multi-pass membrane protein .                                                                                               |
| <b>Tissue Specificity</b>        | Widely expressed (PubMed:30918116). Highest expression is observed in oocytes and brain (PubMed:30918116). Detected at very low levels in sperm cells (PubMed:30918116).                                                                 |
| <b>Function</b>                  | Structural component of the gap junctions and the hemichannels involved in the ATP release and nucleotide permeation . May play a role as a Ca(2+)-leak channel to regulate ER Ca(2+) homeostasis . Plays a critical role in oogenesis . |
| <b>Background</b>                |                                                                                                                                                                                                                                          |
| <b>matters needing attention</b> | Avoid repeated freezing and thawing!                                                                                                                                                                                                     |
| <b>Usage suggestions</b>         | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.                                                                                                        |



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