

## Rabbit PANX1 Polyclonal Antibody | anti-PANX1 antibody

PANX1 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                            |
|-----------|--------|-------------------|-----------------------------------------|
| AAA40798  | Rabbit | Human, Mouse, Rat | Immunofluorescence, Western Blot, ELISA |

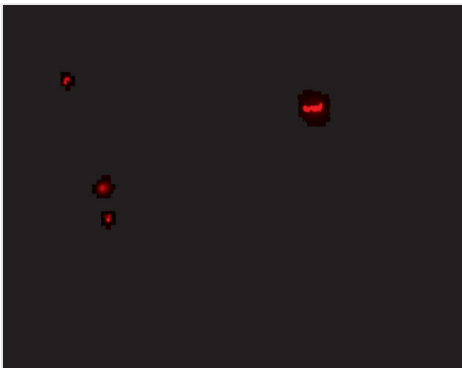
### PRODUCT SYNONYMS

PANX1; Polyclonal Antibody; PANX1 Antibody; PX1; MRS1; UNQ2529; UNQ2529/PRO6028; Pannexin-1; pannexin 1; anti-PANX1 antibody

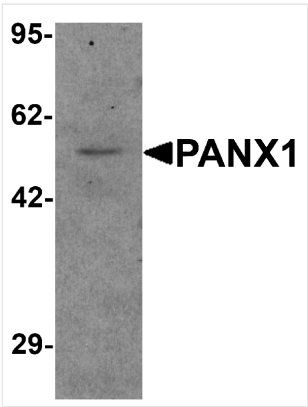
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                             |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                      |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                                           |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                  |
| Isotype                                         | IgG                                                                                                                                                                                                                                                         |
| Specificity                                     | Two transcript variants encoding different isoforms have been found for this gene.                                                                                                                                                                          |
| Purity/Purification                             | PANX1 Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                     | Liquid                                                                                                                                                                                                                                                      |
| Concentration                                   | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                     |
| Sequence Length                                 | 426                                                                                                                                                                                                                                                         |
| Applicable Applications for anti-PANX1 antibody | IF (Immunofluorescence), WB (Western Blot), ELISA                                                                                                                                                                                                           |
| Conjugate                                       | Unconjugated                                                                                                                                                                                                                                                |
| Immunogen                                       | Rabbit polyclonal PANX1 antibody was raised against a 17 amino acid peptide near the amino terminus of human PANX1.                                                                                                                                         |
| Buffer                                          | PANX1 Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                         | PANX1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

IMAGES



**IF (Immunofluorescence)**  
Immunofluorescence of PANX1 in human ovary tissue with PANX1 antibody at 20 µg/mL.



**WB (Western Blot)**  
Western blot analysis of PANX1 in human ovary tissue lysate with PANX1 antibody at 1 µg/mL.

ADDITIONAL INFORMATION

**Related Product Information for anti-PANX1 antibody**

**PANX1 Antibody:** The pannexin gene family encodes a second class of putative gap junction proteins and are highly conserved in invertebrates and mammals. Pannexins (Panx) are four-pass transmembrane proteins that oligomerize to form large pore ion and metabolite-permeable channels. Pannexin-1 (PANX1) and Pannexin-3 are closely related, while Pannexin-2 is a more distant relation. PANX1 is a transmembrane protein that forms a mechanosensitive ATP-permeable channel between adjacent cells and in the endoplasmic reticulum. PANX1 may play a role as a Ca<sup>2+</sup>-leak channel to regulate ER Ca<sup>2+</sup> homeostasis and regulates neural stem and progenitor cell proliferation.

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 39995064                                               |
| NCBI GeneID                      | 24145                                                  |
| NCBI Accession #                 | NP_056183                                              |
| NCBI GenBank Nucleotide #        | NM_015368.3                                            |
| UniProt Accession #              | Q96RD7; O75968; Q543A0; Q6UW26; Q96AM9; Q96L77; Q96RS5 |
| Molecular Weight                 | 47 kDa                                                 |
| NCBI Official Full Name          | pannexin-1                                             |
| NCBI Official Synonym Full Names | pannexin 1                                             |
| NCBI Official Symbol             | PANX1                                                  |
| NCBI Official Synonym Symbols    | PX1; MRS1; UNQ2529                                     |
| NCBI Protein Information         | pannexin-1; innexin                                    |
| UniProt Protein Name             | Pannexin-1                                             |
| UniProt Gene Name                | PANX1                                                  |
| UniProt Synonym Gene Names       | MRS1                                                   |
| UniProt Entry Name               | PANX1_HUMAN                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

