

Datasheet for 600-401-DJ7**PANX1 Antibody****Overview**

Description:	Anti-PANX1 (RABBIT) Antibody - 600-401-DJ7
Item No.:	600-401-DJ7
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	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 ²⁺ -leak channel to regulate ER Ca ²⁺ homeostasis and regulates neural stem and progenitor cell proliferation.
Synonyms:	PANX1 Antibody, PX1, MRS1, UNQ2529, UNQ2529/PRO6028, Pannexin-1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PANX1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti- PANX1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the N-terminus of human PANX1.

Purity/Specificity:	Anti-PANX1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Two transcript variants encoding different isoforms have been found for this gene.
Relevant Links:	• UniProtKB - Q96RD7 • GeneID - 24145 • NCBI - NP_056183

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-PANX1 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 48 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
WB:	1-2 µg/mL

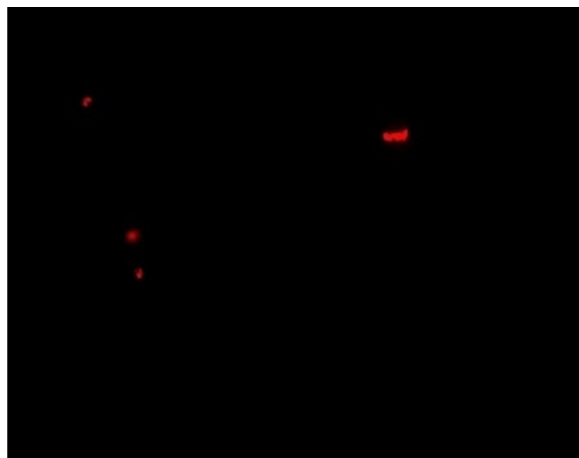
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

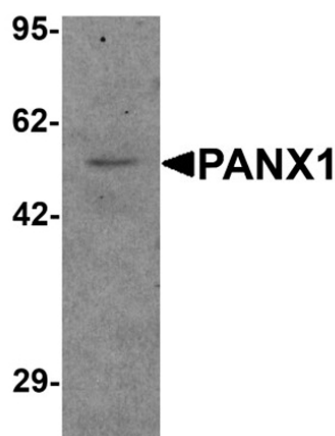


Immunofluorescence Microscopy

Immunofluorescence of PANX1.

Tissue: human ovary tissue.

Primary Antibody: PANX1 antibody at 20 µg/mL.



Western Blot

Western blot analysis of PANX1.

Load: human ovary tissue lysate.

Primary Antibody: PANX1 antibody at 1 µg/mL.

Disclaimer

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