

Rabbit anti-Human PANX3 Polyclonal Antibody | anti-PANX3 antibody

Anti-PANX3 Antibody Picoband

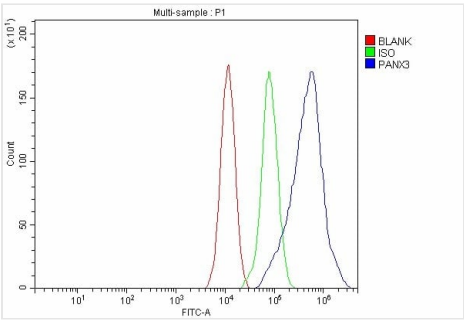
CATALOG # AAA127718	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

PANX3; Polyclonal Antibody; Anti-PANX3 Antibody Picoband; anti-PANX3 antibody

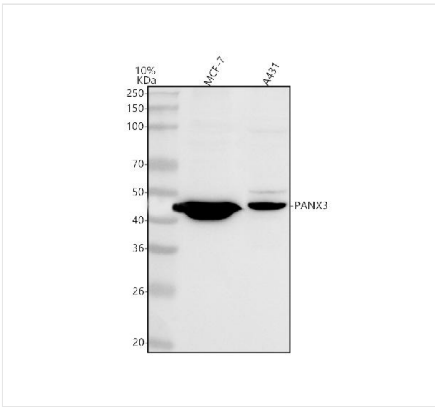
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-PANX3 antibody	ELISA, WB (Western Blot)
Immunogen	E coli-derived human PANX3 recombinant protein (Position: M1-P392). Human PANX3 shares 89% and 91.6% amino acid (aa) sequence identity with mouse and rat PANX3, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of MCF-7 cells using anti-PANX3 antibody (AAA127718).Overlay histogram showing MCF-7 cells stained with AAA127718 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-PANX3 Antibody (AAA127718, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of PANX3 using anti-PANX3 antibody (AAA127718).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human MCF-7 whole cell lysates,Lane 2: human A431 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PANX3 antigen affinity purified polyclonal antibody (#AAA127718) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for PANX3 at approximately 45 kDa. The expected band size for PANX3 is at 45 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PANX3 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-PANX3 antibody	Primary Antibodies
References	1. Bruzzone, R., Hormuzdi, S. G., Barbe, M. T., Herb, A., Monyer, H. Pannexins, a family of gap junction proteins expressed in brain. Proc. Nat. Acad. Sci. 100: 13644-13649, 2003. 2. Gross, M. B. Personal Communication. Baltimore, Md. 11/30/2016.3. Ishikawa, M., Hasanali, Z. S., Zhao, Y., Das, A., Lavaert, M., Roman, C. J., Londregan, J., Allman, D., Bhandoola, A. Bone marrow plasma cells require P2RX4 to sense extracellular ATP. Nature 626: 1102-1107, 2024.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16418453
NCBI GeneID	116337
NCBI Accession #	NP_443191.1
NCBI GenBank Nucleotide #	NM_052959.2
UniProt Accession #	Q96QZ0
Molecular Weight	44,683 Da
NCBI Official Full Name	pannexin-3
NCBI Official Synonym Full Names	pannexin 3
NCBI Official Symbol	PANX3

NCBI Official Synonym Symbols	PX3
NCBI Protein Information	pannexin-3; gap junction protein pannexin 3
UniProt Protein Name	Pannexin-3
UniProt Gene Name	PANX3
UniProt Entry Name	PANX3_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/panx3-antibody-western-blot-elisa/127718>