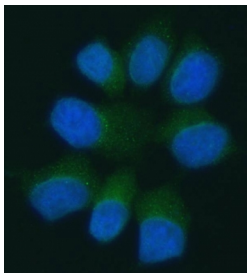
PANX1 Antibody / Pannexin 1 (RQ7295)

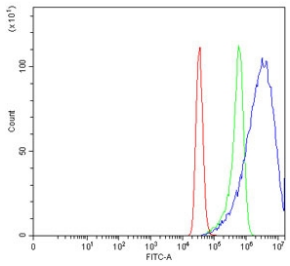
Catalog No.	Formulation	Size
RQ7295	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

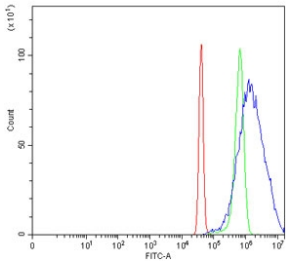
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q96RD7
Localization	Cytoplasm, cell membrane, cell junction
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This PANX1 antibody is available for research use only.



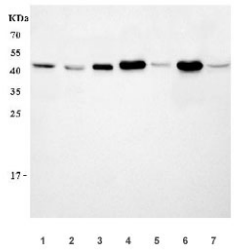
Immunofluorescent staining of FFPE human MCF7 cells with PANX1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of human MCF7 cells with PANX1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PANX1 antibody.



Flow cytometry testing of human SiHa cells with PANX1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PANX1 antibody.



Western blot testing of 1) human HeLa, 2) human K562, 3) human 293T, 4) rat brain, 5) rat C6, 6) mouse brain and 7) mouse NIH 3T3 cell lysate with PANX1 antibody. Predicted molecular weight ~48 kDa.

Description

Pannexin 1 is a protein in humans that is encoded by the PANX1 gene. The protein encoded by this gene belongs to the innexin family. Innexin family members are the structural components of gap junctions. This protein and pannexin 2 are abundantly expressed in central nerve system (CNS) and are coexpressed in various neuronal populations. Studies in Xenopus oocytes suggest that this protein alone and in combination with pannexin 2 may form cell type-specific gap junctions with distinct properties.

Application Notes

Optimal dilution of the PANX1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-D362) was used as the immunogen for the PANX1 antibody.

Storage

After reconstitution, the PANX1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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