

For Research Use Only

# Anti-Human PAX2 Rabbit Recombinant Antibody

Catalog Number: 98696-1-RR



## Basic Information

**Catalog Number:**

98696-1-RR

**Size:**

100ug , 1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC101023

**GeneID (NCBI):**

56666

**UNIPROT ID:**

Q96RD6

**Full Name:**

pannexin 2

**Calculated MW:**

677 aa, 74 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

25154485

**Recommended Dilutions:**

IHC : 1:500-1:2000

FC : 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

**Tested Applications:**

IHC, FC

**Species Specificity:**

human

**Positive Controls:**

IHC : Human brain cancer (Astrocytoma),

FC : Caco-2 cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Pannexins are glycoproteins that form functional single-membrane channels, which mediate ATP release in response to a variety of physiological and pathological stimuli (PMID: 33913372). The pannexin family consists of three members, namely PAX1, PAX2, and PAX3 (PMID: 22305965). PAX2 was initially predicted to be expressed selectively in the central nervous system, but was later shown to have broad expression across multiple tissues, including skin, skeletal muscle, eye, and colon (PMID: 15028292; 25505382; 25773474). PAX2 is involved in pathophysiological processes of neurological and cancer diseases (PMID: 19749789; 33913372; 39389335).

## Storage

**Storage:**

Store at 2 - 8°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.09% sodium azide, pH7.3

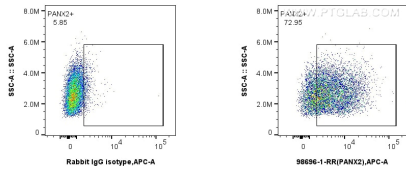
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

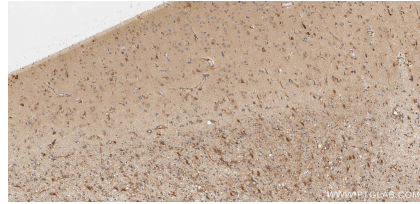
E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

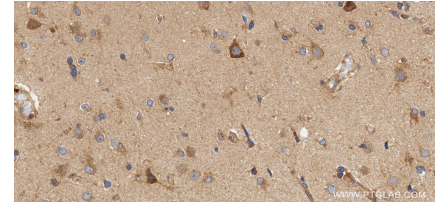
## Selected Validation Data



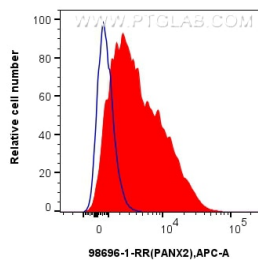
1x10<sup>6</sup> Caco-2 cells were surface stained with 0.25 ug Anti-Human PANX2 Rabbit RecAb (98696-2-RR, Clone: 251544A12) or 0.25 ug Isotype Control, and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Immunohistochemical analysis of paraffin-embedded Human brain cancer(Astrocytoma) slide using 98696-1-RR (PANX2) antibody at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded Human brain cancer(Astrocytoma) slide using 98696-1-RR (PANX2) antibody at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10<sup>6</sup> Caco-2 cells were surface stained with 0.25 ug Anti-Human PANX2 Rabbit RecAb (98696-2-RR, Clone: 251544A12) (red) or 0.25 ug Isotype Control (blue), and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.