

For Research Use Only

Anti-Human PAX2 Rabbit Recombinant Antibody

Catalog Number: 98696-1-RR



Basic Information

Catalog Number: 98696-1-RR	GenBank Accession Number: BC101023	Purification Method: Protein A purification
Concentration: 100ug, 1000 µg/ml	GeneID (NCBI): 56666	CloneNo.: 251544B5
Source: Rabbit	UNIPROT ID: Q96RD6	Recommended Dilutions: IHC: 1:500-1:2000 FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: pannexin 2	
	Calculated MW: 677 aa, 74 kDa	

Applications

Tested Applications: IHC, FC	Positive Controls: IHC : Human brain cancer (Astrocytoma), FC : Caco-2 cells,
Species Specificity: human	

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:

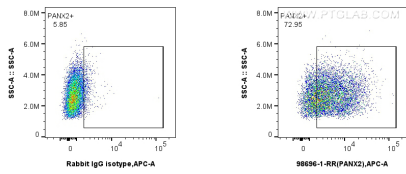
T: 4006900926

E: Proteintech-CN@ptglab.com

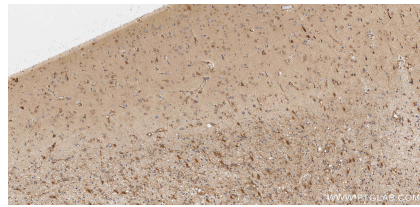
W: ptgcn.com

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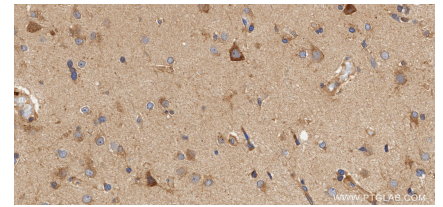
Selected Validation Data



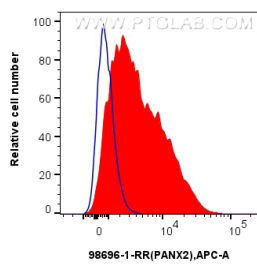
1x10⁶ Caco-2 cells were surface stained with 0.25 ug Anti-Human PANX2 Rabbit RecAb (98696-2-RR, Clone: 251544A12) or 0.25 ug Isotype Control, and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



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).



1x10⁶ 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.