

For Research Use Only

Pannexin 3 Polyclonal antibody

Catalog Number: 31736-1-AP



Basic Information

Catalog Number: 31736-1-AP	GenBank Accession Number: NM_052959	Purification Method: Antigen affinity Purification
Size: 500 ug/ml	GeneID (NCBI): 116337	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	UNIPROT ID: Q96QZO	
Isotype: IgG	Full Name: pannexin 3	
Immunogen Catalog Number: AG34451	Calculated MW: 392 aa, 45 kDa	
	Observed MW: 43 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : U2OS cells,
Species Specificity: human	

Background Information

Pannexin 3 (PANX3) is a member of the pannexin family of single membrane channel-forming glycoproteins. PANX3 is expressed in osteoblasts, chondrocytes, and skin and plays a major role in calcium homeostasis suggesting an independent functional niche. PANX3 regulates both chondrocyte and osteoblast differentiation via the activation of intracellular Ca²⁺ signaling pathways through multiple channel activities: hemichannels, endoplasmic reticulum (ER) Ca²⁺ channels, and gap junctions. PANX3 has 392 amino acids with a molecular weight of ~ 43 kDa and is N-linked glycosylated at asparagine residue 71 in the first extracellular loop (PMID: 27837015, PMID: 34250568, PMID: 38580658).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

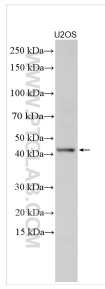
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



U2OS cells were subjected to SDS PAGE followed by western blot with 31736-1-AP (Pannexin 3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.