

For Research Use Only

Pannexin 3 Polyclonal antibody, PBS Only

Catalog Number: 31736-1-PBS



Basic Information

Catalog Number: 31736-1-PBS	GenBank Accession Number: NM_052959	Purification Method: Antigen affinity Purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 116337	
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, Indirect ELISA

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 -80°C.

Storage Buffer:
PBS Only

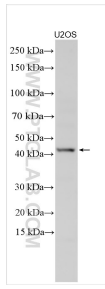
For technical support and original validation data for this product please contact:

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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. This data was developed using the same antibody clone with 31736-1-PBS in a different storage buffer formulation.