

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: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 116337	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	UNIPROT ID: Q96QZ0	
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

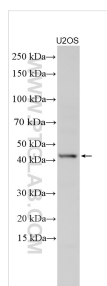
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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



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.