

For Research Use Only

Pannexin 3 Polyclonal antibody, PBS Only

Catalog Number: 31736-1-PBS



Basic Information

Catalog Number:

31736-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34451

GenBank Accession Number:

NM_052959

GeneID (NCBI):

116337

UNIPROT ID:

Q96QZO

Full Name:

pannexin 3

Calculated MW:

392 aa, 45 kDa

Observed MW:

43 kDa

Purification Method:

Antigen affinity Purification

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

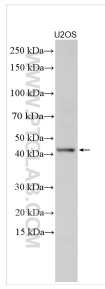
T: 4006900926

E: Proteintech-CN@ptglab.com

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