

For Research Use Only

PANX1 Polyclonal antibody

Catalog Number: 12595-1-AP

Featured Product

18 Publications



Basic Information

Catalog Number:

12595-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3174

GenBank Accession Number:

BC016931

GeneID (NCBI):

24145

UNIPROT ID:

Q96RD7

Full Name:

pannexin 1

Calculated MW:

426 aa, 48 kDa

Observed MW:

45-50 kDa, 90 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Positive Controls:

WB : Jurkat cells, SH-SY5Y cells, K-562 cells, MDA-MB-231 cells, C2C12 cells

Background Information

PANX1, also named as MRS1, belongs to the pannexin family. It plays a role as a Ca²⁺-leak channel to regulate ER Ca²⁺ homeostasis. It is a structural component of the gap junctions and the hemichannels. PANX1 induced the formation of intercellular channels with characteristics of gap junctions. PANX1 is 48-kDa protein which contains 4 transmembrane domains and cytoplasmic N and C termini. It is a mediator of find-me signal/nucleotide release from apoptotic cells. Western blot for Panx1 was also seen in two bands at 45~50 kDa and ~90 kDa. The band of ~90 kDa corresponding to the Panx1 dimer size. (PMID: 24590064, PMID: 19009624)

Notable Publications

Author	Pubmed ID	Journal	Application
Mohsan Saeed	32997711	PLoS Pathog	WB
Chang Chen	34506603	PLoS One	WB,IF
Guanwen Huang	32416166	Life Sci	WB,IHC

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

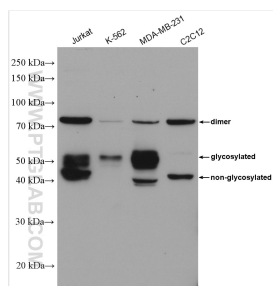
For technical support and original validation data for this product please contact:

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W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12595-1-AP (PAX1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.