

For Research Use Only

Connexin-26 Polyclonal ANTIBODY



Catalog Number: 51037-2-AP

Basic Information

Catalog Number: 51037-2-AP	GenBank Accession Number: BC017048	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 600 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2706	Recommended Dilutions: WB 1:200-1:1000
Source: Rabbit	Full Name: gap junction protein, beta 2, 26kDa	
Isotype: IgG	Calculated MW: 26 kDa	
	Observed MW: 26 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB: human brain tissue,
Species Specificity: human, mouse, rat	

Background Information

The gap junctions were first characterized by electron microscopy as regionally specialized structures on plasma membranes of contacting adherent cells. These structures were shown to consist of cell-to-cell channels that facilitate the transfer of ions and small molecules between cells. The gap junction proteins, also known as connexins, purified from fractions of enriched gap junctions from different tissues differ. According to sequence similarities at the nucleotide and amino acid levels, the gap junction proteins are divided into two categories, alpha and beta. Connexin-26 (GJB2) is a beta class gap junction protein. Mutations in the gene for connexin-26 are responsible for as much as 50% of pre-lingual, recessive deafness.

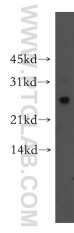
Storage

Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.1% 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: 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

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Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 51037-2-AP (Connexin-26 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.