

Connexin-26 Polyclonal antibody

Catalog Number: 51037-2-AP

Basic Information

Catalog Number:

51037-2-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC017048

GeneID (NCBI):

2706

UNIPROT ID:

P29033

Full Name:

gap junction protein, beta 2, 26kDa

Calculated MW:

26 kDa

Observed MW:

26 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : human brain tissue,

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:

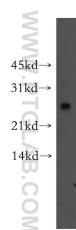
Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.