

# 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:**

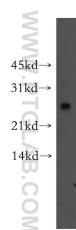
Store at -20°C.

**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.