

## Product datasheet for **TA321614**

### GJB2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 100-300 Positive control: Human esophagus cancer Predicted cell location: Cytoplasm, Cell membrane
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 212-227 amino acids of Human gap junction protein, beta 2, 26kDa
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	gap junction protein beta 2
Database Link:	<a href="#">NP_003995</a> <a href="#">Entrez Gene 394266 RatEntrez Gene 2706 Human P29033</a>



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**Background:**

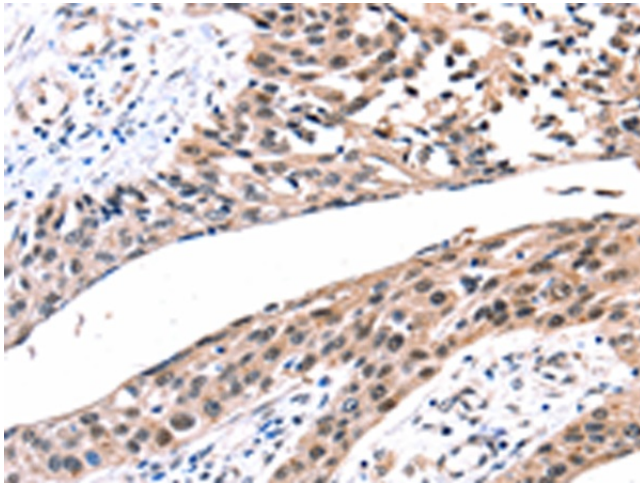
This gene encodes a member of the gap junction protein family. The gap junctions were first characterized by electron microscopy as regionally specialized structures on plasma membranes of contacting adherent cells. These structures were shown to consist of cell-to-cell channels that facilitate the transfer 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. Mutations in this gene are responsible for as much as 50% of pre-lingual; recessive deafness.

**Synonyms:**

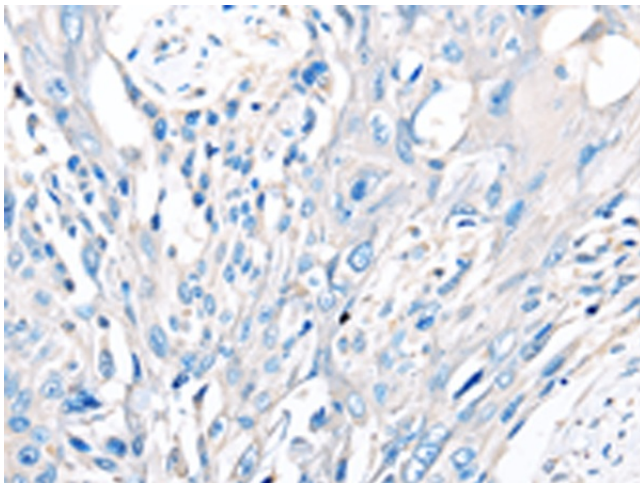
CX26; DFNA3; DFNA3A; DFNB1; DFNB1A; HID; KID; NSRD1; PPK

**Protein Families:**

Druggable Genome, Ion Channels: Other, Transmembrane

**Product images:**

Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA321614 (GJB2 Antibody) at dilution 1/100 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA321614 (GJB2 Antibody) at dilution 1/100, treated with synthetic peptide. (Original magnification:  $\times 200$ )